S/N No. : 9CD830110

Service Manual

Mini Component System

Model: AXG-324/325/326(K)
AXW-324/325/326(K)

AXG-324/325/326(K)

AXW-324/325/326(K)

DAEWOO ELECTRONICS CO., LTD.

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MINI COMPONENT SYSTEM

AXG-324/325/326(K)
AXW-324/325/326(K)

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Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCKS
DO NOT OPEN

CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULTED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the appliance and in the operating instructions should be adhered to.
- All operating and use instructions should be followed.

1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.

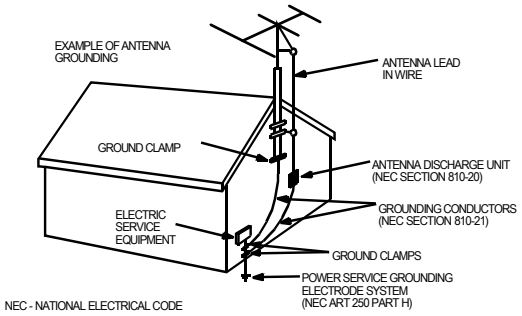
PORTABLE CART

Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by th manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

Safety Precautions

13.Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-dis charge unit, size of grounding conductors,location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.


EXAMPLE OF ANTENNA GROUNDING
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250 PART H)
NEC - NATIONAL ELECTRICAL CODE

14.Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15.Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16.Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

a) The power-supply cord or the plug has been damaged; or

b) Objects have fallen, or liquid has been spilled into the appliance; or

c) The appliance has been exposed to rain; or

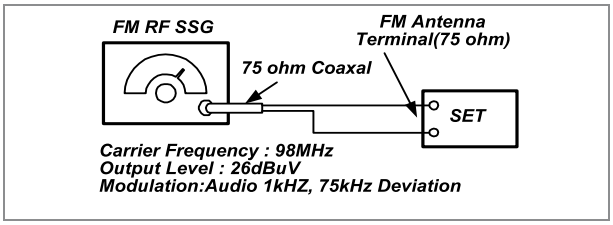
d) The appliance does not appear to operate normally or exhibits a marked change in performance; or

e) The appliance has been dropped, or the enclosure damaged.

17.Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Adjustments

1. TUNER SECTION



TEST EQUIPMENT

1. Signal Generator with a frequency range of FM broadcast.
2. Oscilloscope with a side amplifier of approximately 100 KHz.
3. FM 75/50Ω dummy antenna.
4. VTVM

FM ALIGNMENT

1. Turn on the FM signal generator and the VTVM allowing 15 minutes warming-up period.
2. Connect the VTVM across the headphone jack or speaker terminal.
3. Set signal generator frequency as listed in ALIGNMENT CHART and maintain a sufficient output level to provide an indication on VTVM.

NOTE

1. Use a screwdriver with plastic or ceramic grip for all adjustments.
2. Standard test frequency 1 KHz and deviation 75 KHz for FM.

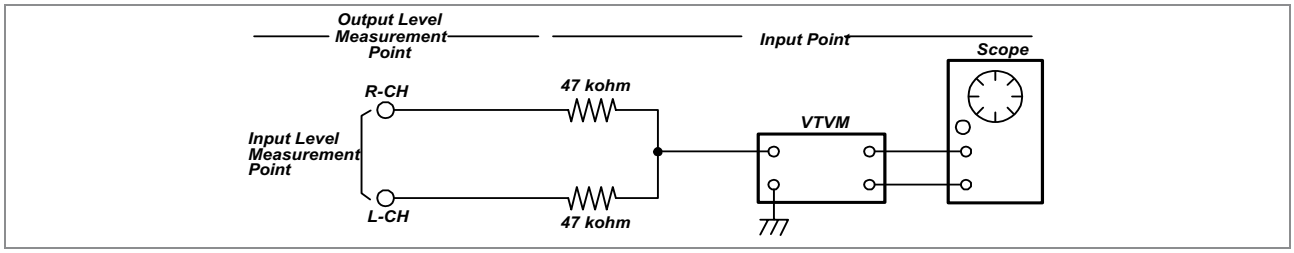
- FM RF, IF ALIGNMENT CHART -

Item	Input Circuit Setup	Output Circuit Setup	S.S.G Setting	Adjust Point	Adjustment
FM IF Adjustment	Connect stereo signal generator to FM ANT terminal (J001)	Connect DC voltmeter to edge TP201,202	FM98MHz 75KHz Dev. 26dBμV	L203	Adjust for DC 0V± 50mV

Unless other specified set being switched FM mode, adjust generator's frequency to center of the FM band where no FM broadcast exists Otherwise adjustment of FM usable sensitivity, frequency range for FM band are not needed, but confirm these data are satisfied with specification.
CAUTION : When realigning the FM receiving frequency the highest end of the frequency range should not be more than 108 MHz and the lowest end of the frequency range should not be less than 87.5 MHz, in order to comply with FTZ regulation in Germany.

Adjustments

2. TAPE SECTION



Test Tape be used

Tape	Contents	Use
MTT-111N	3 KHz	Tape Speed Adjustment
MTT-114N	10 KHz	Head Azimuth Adjustment
MTT-5511	Blank	Record Frequency Property

HEAD ADJUSTMENT (AZIMUTH)

1. 10KHz test tape(example: MTT-114N) must be used for this adjustment.
2. Connect to VTVM or oscilloscope to the headphone jack or speaker terminal.
3. Press the play button.
4. Adjust the azimuth by using a screw driver to maintain the max. L&R output voltage.
5. Adjust tape A(1), tape B(2) respectively, Please secure the azimuth position by using locking paint.

RECORDING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

1. Connect the frequency counter to TP603, GND.
2. Press the REC button.
3. Adjust L603 to obtain 80 KHz±500Hz

TAPE ALIGNMENT CHART

Step	Item		Reference Value	Test Tape	Adjust Point	Test Point	Note	FIG.
1	Tape Speed Adjustment	Normal	------	MTT-111N	------	Line Out L/R Channel	Confirm Wow & Flutter is within 0.35%	FIG.1
			3,000~3,010Hz	MTT-111N	RV600	Line Out L/R Channel	Confirm Tape Speed of end position after adjustment at tape start position	FIG.1
		High	5,820~6,180Hz	MTT-111N	------	Line Out L/R Channel	Confirm High speed after normal speed adjustment	FIG.1
2	Azimuth Adjustment		Maximum Level Phase:Within90∞	MTT-114N	Head Screw	Line Out L/R Channel		FIG.2,3,4
3	Recording Bias Oscillator Frequency Adjustment		80 KHz±0.5	MTT-5511	L600	TP603, GND	Adjust with frequency counter connected.	FIG.1

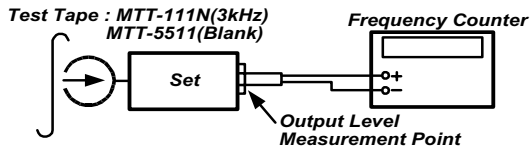


FIG. 1 : Tape Speed & Record Bias Oscillator Frequency Adjust Circuit

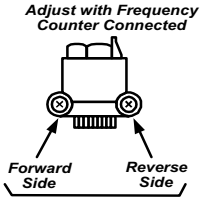


FIG. 2 : Tape Azimuth Adjust Location (Record/Playback Head)

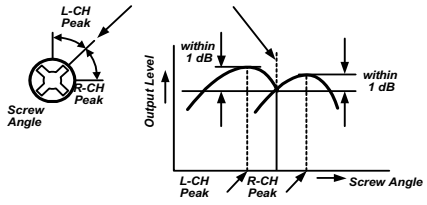


FIG. 3 : Tape Azimuth Adjust Head Screw & Waveform

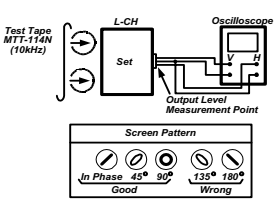
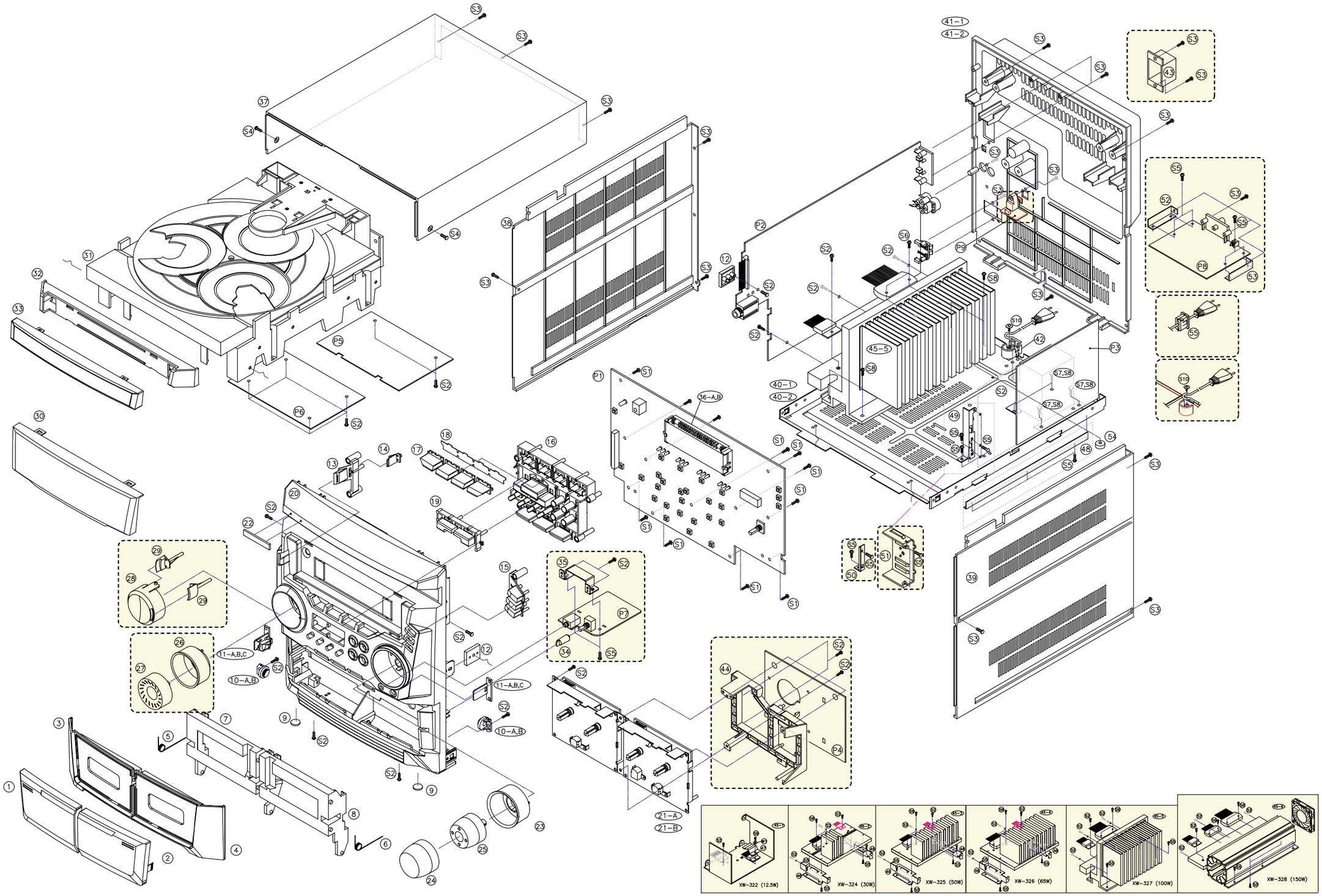


FIG. 4 : Tape Azimuth Adjust Circuit & Waveform

Exploded View and Mechanical Parts List



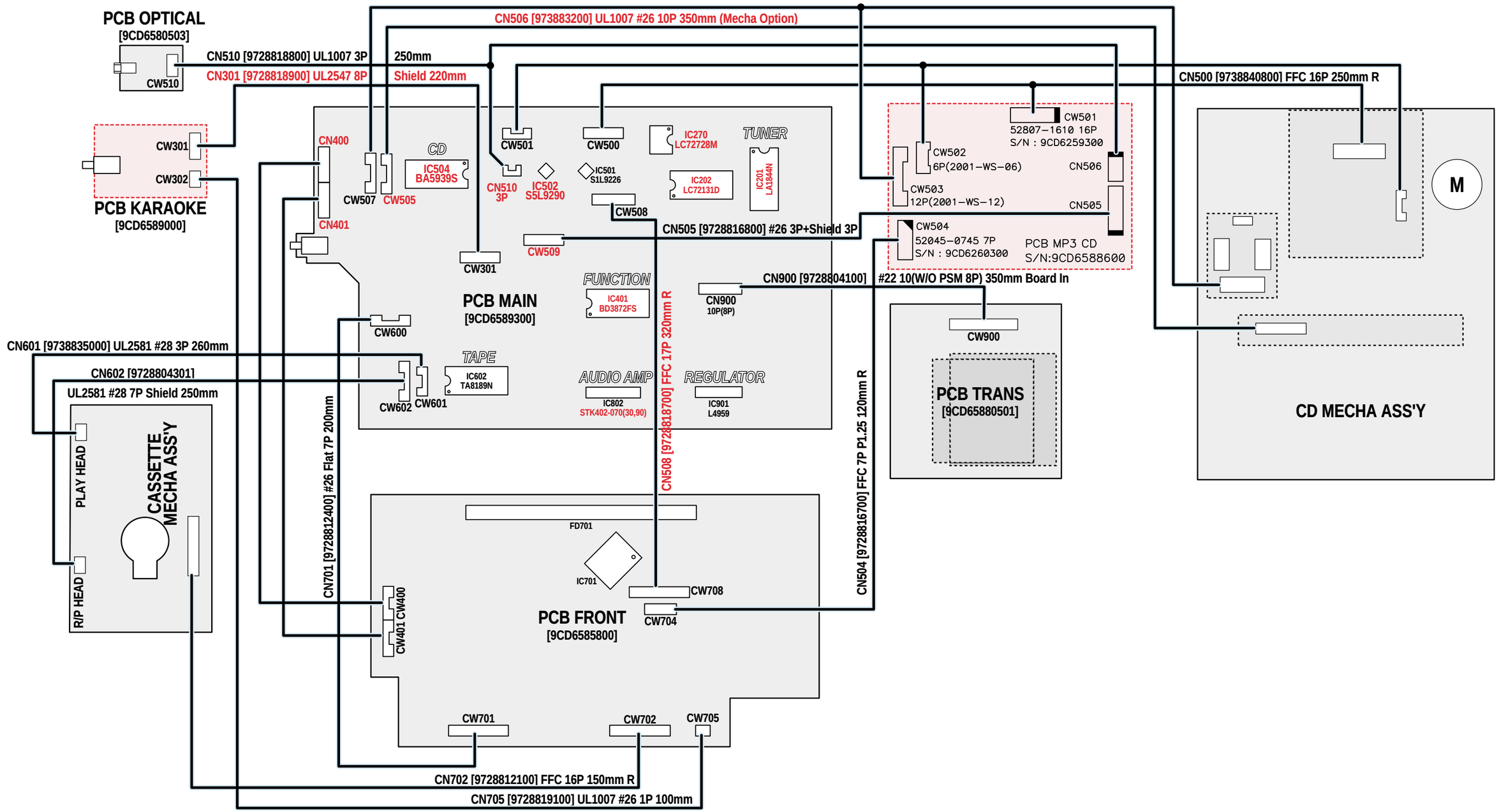
Exploded View and Mechanical Parts List

No.	Part Name	Part Code	Description	Qty	Remark
1	WINDOW DOOR A	9CD16197A0	ACRYL	1	
2	WINDOW DOOR B	9CD16197B0	ACRYL	1	
3	DOOR COVER A	9CD18136A0	MIPS	1	
4	DOOR COVER B	9CD18136B0	MIPS	1	
5	SRING DOOR EJECT L	9CD30080L0	STS 0.9	1	
6	SRING DOOR EJECT R	9CD30080R0	STS 0.9	1	
7	DOOR FRAME A	9CD18113A0	MIPS	1	
8	DOOR FRAME B	9CD18113B0	MIPS	1	
9	CUSHION FOOT	9CD4207700	URETHAN	2	
10-A	DAMPER GEAR B	9CD2603200	ACETAL	2	
10-B	DAMPER BASE B	9CD2603300	ABS	2	
11-A	LOCKER BASE	9CDOB01900	ABS	2	
11-B	LOCKER CAM	9CDOB02000	ABS	2	
11-C	LOCKER SPRING	9CDOB01600	STS	2	
12	BRKT SIDE	9CD2412900	ABS	2	
13	KNOB POWER	9CD1348700	MIPS	1	
14	LENS LED	9CD1619900	ACRYL	1	
15	KNOB CD	9CD1348710	MIPS	1	
16	KNOB CONTROL	9CD1348400	MIPS	1	
17	KNOB FUNCTION	9CD1348600	ACRYL	1	
18	PLATE FILTER	9CD0912800	T0.15	1	option
19	KNOB SET	9CD1348500	MIPS	1	
20	PANEL FRONT	9CD0311100	MIPS	1	
21-A	CASSETTE DECK LOGIC	9CD6010000		1	322
21-B	CASSETTE DECK LOGIC	9CD6010100		1	324/325/327/328
22	BADGE DAEWOO	9CD1500900	ABS	1	
23	DECO VOLUME	9CD3104200	ABS	1	
24	KNOB CAP	9CD1349300	MIPS	1	
25	KNOB VOLUME	9CD1348200	MIPS	1	
26	RING REFLECTOR	9CD3104210	ACRYL	1	
27	KNOB JOG	9CD1348210	MIPS	1	327/328
28	KNOB TUNE	9CD1349400	MIPS	1	322/324/325/326
29	LENS DECO	9CD1620000	ACRYL	2	
30	WINDOW FLT	9CD1619500	ACRYL	1	
31	CD DECK MECHA	9CD6009300		1	
32	DOOR CD	9CD1813700	MIPS	1	
33	WINDOW CD DOOR	9CD1619600	ACRYL	1	
34	KNOB MIC	9CD133200 0	MIPS	1	Option
35	BRACKET MIC PCB	9CD2415500	SECC 1.0T	1	Option
36-A	GUIDE FLT	9CD2506500	ABS	1	322/324/325/326
36-B	GUIDE FLT	9CD2506300	ABS	1	327/328
37	COVER TOP	9CD0411400	MIPS	1	
38	COVER SIDE L	9CD04115L0	MIPS	1	
39	COVER SIDE R	9CD04115R0	MIPS	1	
40-1	CHASSIS BOTTOM	9CD0607500	ABS	1	322
40-2	CHASSIS BOTTOM	9CD0607100	SECC 1.0T	1	324/325/326/327/328
41-1	COVER BACK	9CD0409800	MIPS	1	322/324/325/326
41-2	COVER BACK	9CD0414800	SECC 1.0T	1	327/328
42	HOLDER AC CORD	9CD2303300	ABS	1	324/325/326/327/328
43	COVER ANT	9CD0410400	ABS	1	
44	HOLDER PCB	9CD2304800	MIPS	1	327/328
45-1	HEAT SINK 10	9CD4404500	AL	1	322
45-2	HEAT SINK N30	9CD4406200	AL	1	324
45-3	HEAT SINK N50	9CD4405800	AL	1	325
45-4	HEAT SINK N65	9CD4408200	AL	1	326
45-5	HEAT SINK N100	9CD4406100	AL	1	327
45-6	HEAT SINK N150A	9CD4407900	AL	1	328
46	BRACKET HEAT TR	9CD2414600	SECC 1.0T	2	324/325/326
47	BRACKET HEAT TR	9CD2414600	SUS 0.5T	1	322
48	FRAME BOTTOM	9CD0607800	SECC 1.0T	1	327/328
49	BRKT PCB C	9CD2414500	SECC 1.0T	1	327/328
50	BRKT PCB A	9CD2413100	SECC 1.0T	1	327DP
51	HEAT SINK PW	9CD4404200	AL	1	327/328
52	BRACKET TUNER PCB L	9CD24159L0	SECC 1.0T	1	327/328
53	BRACKET TUNER PCB R	9CD24159R0	SECC 1.0T	1	327/328
54	FOOT RUBBER	9CD0801000	RUBBER	2	327/328
55	STOPPER AC CORD	9CD5700500	66NYLON	1	327/328

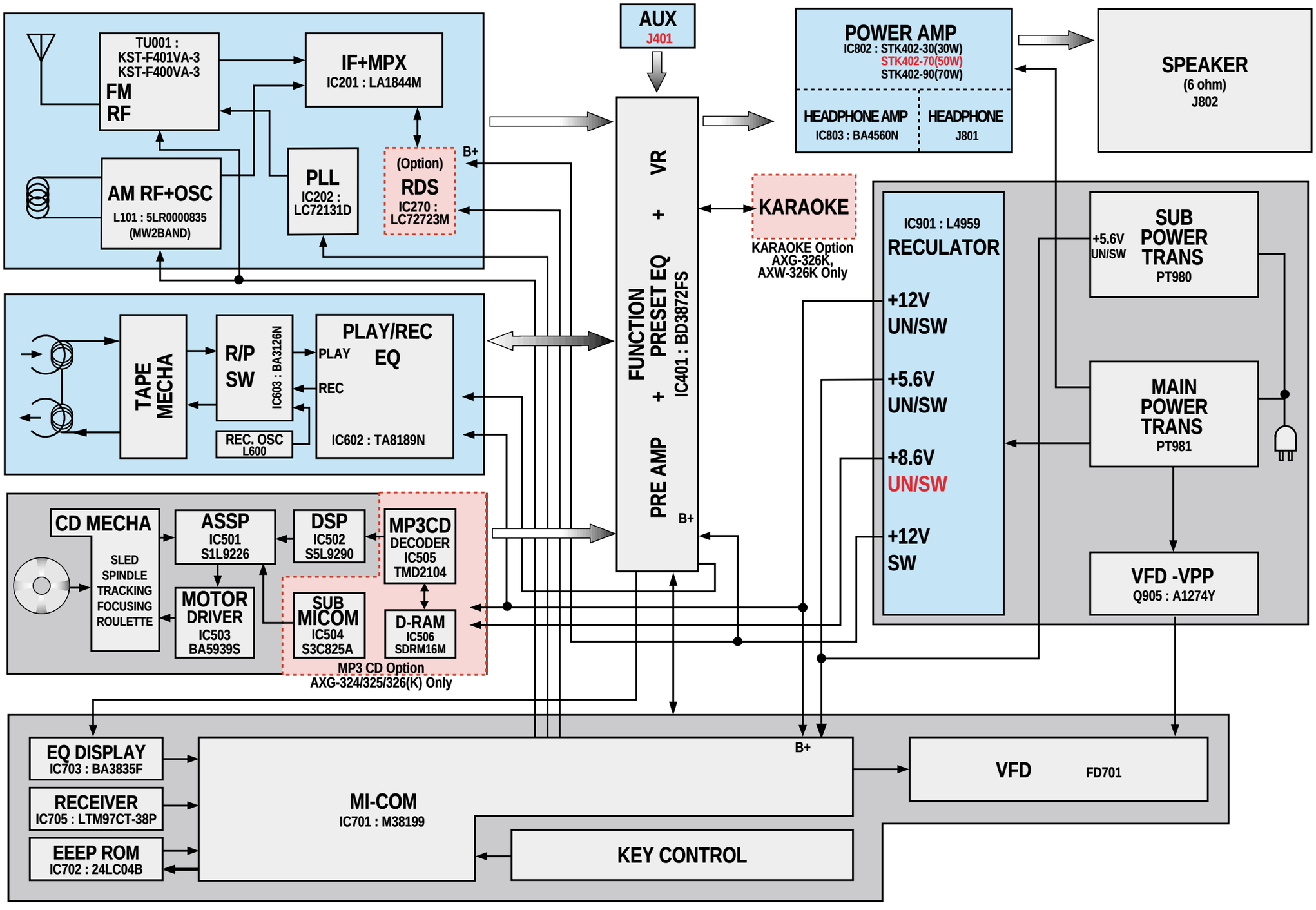
No.	SCREW TYPE	Part Code	Description	Qty					
				322	324	325	326	327	328
S1	SCREW TAPTTITE	7173261011	TT2 BIN 2.6 X 10 MFZN	14	14	14	14	14	14
S2	SCREW TAPTTITE	7173301011	TT2 BIN 3.0X10 MFZN	16	15	15	15	15	15
S3	SCREW TAPTTITE	7173301212	TT2 BIN 3.0X12 BK	21	21	21	21	21	23
S4	SCREW TAPTTITE	7173301612	TT2 BIN 3.0X16 BK	2	2	2	2	2	2
S5	SCREW TAPTTITE	7173300411	TT2 BIN 3.0X6 MFZN	5	8	8	8	12	13
S6	SCREW TAPTTITE	7173301411	TT2 BIN 3.0X14 MFZN	*	4	4	4	4	8
S7	SCREW TAPTTITE	7173400611	TT2 BIN 4.0X6 MFZN	*	4	4	4	4	4
S8	SCREW TAPTTITE	7173401011	TT2 BIN 4.0X10 MFZN	4	*	*	*	4	*
S9	WASHER SCREW	9CD3102401	TT2 BIN 3.0X8 + D12	1	*	*	*	*	*
S10	WASHER SCREW	9CD3102400	TT2 BIN 3.0X10 + D14	1	1	1	1	*	*
W1	WASHER PLAIN			1	*	*	*	*	*

No.	Part Name	Qty	Remark
P2	PCB MAIN	1	
P3	PCB POWER	1	
P4	PCB TAPE	1	327/328
P5	PCB CD	1	327/328
P6	PCB MP3	1	option
P7	PCB MIC	1	324/325/326/327/328
P8	PCB TUNER	1	328
P9	PCB JACK(Optcal)	1	option

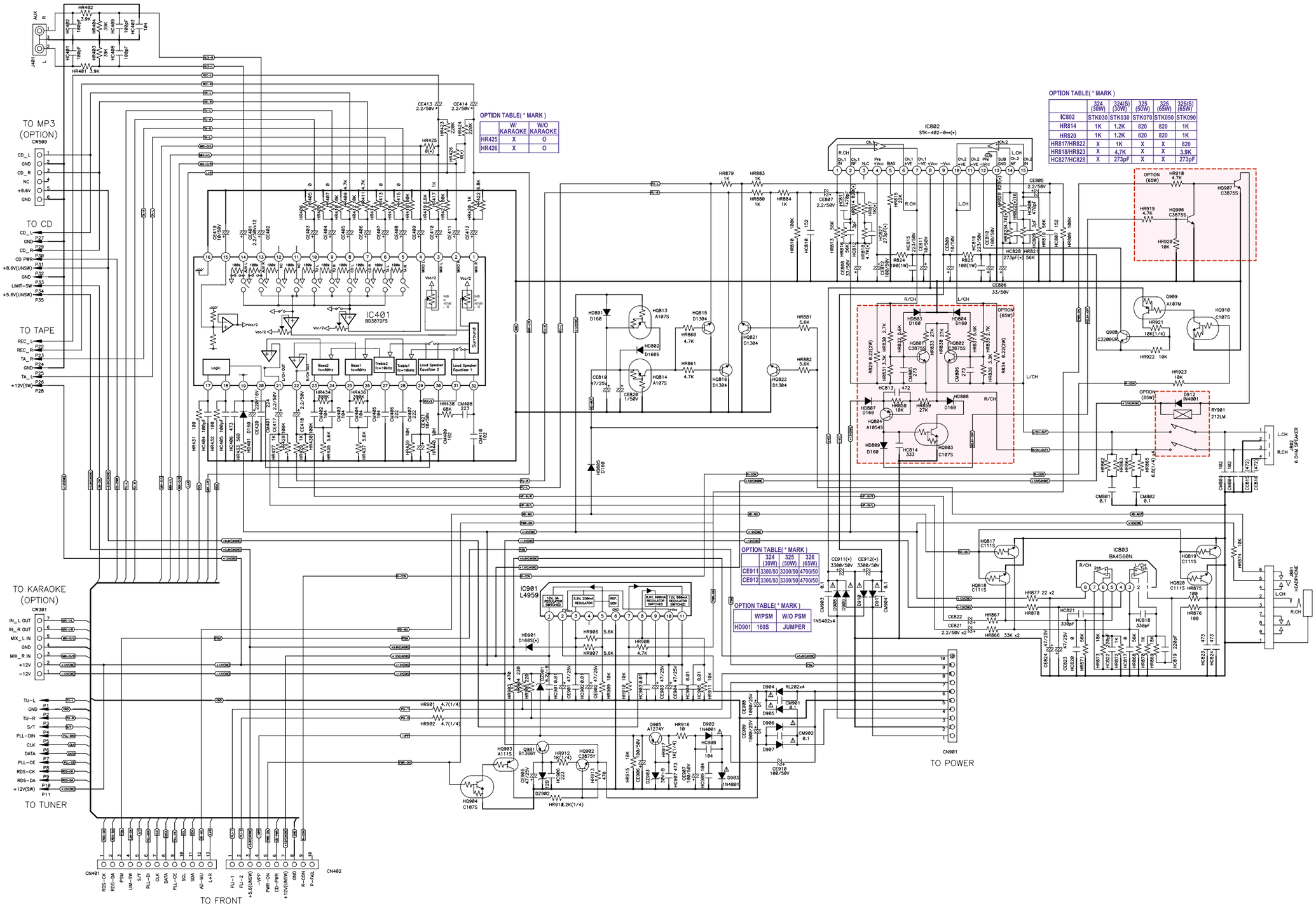
Wiring Diagram



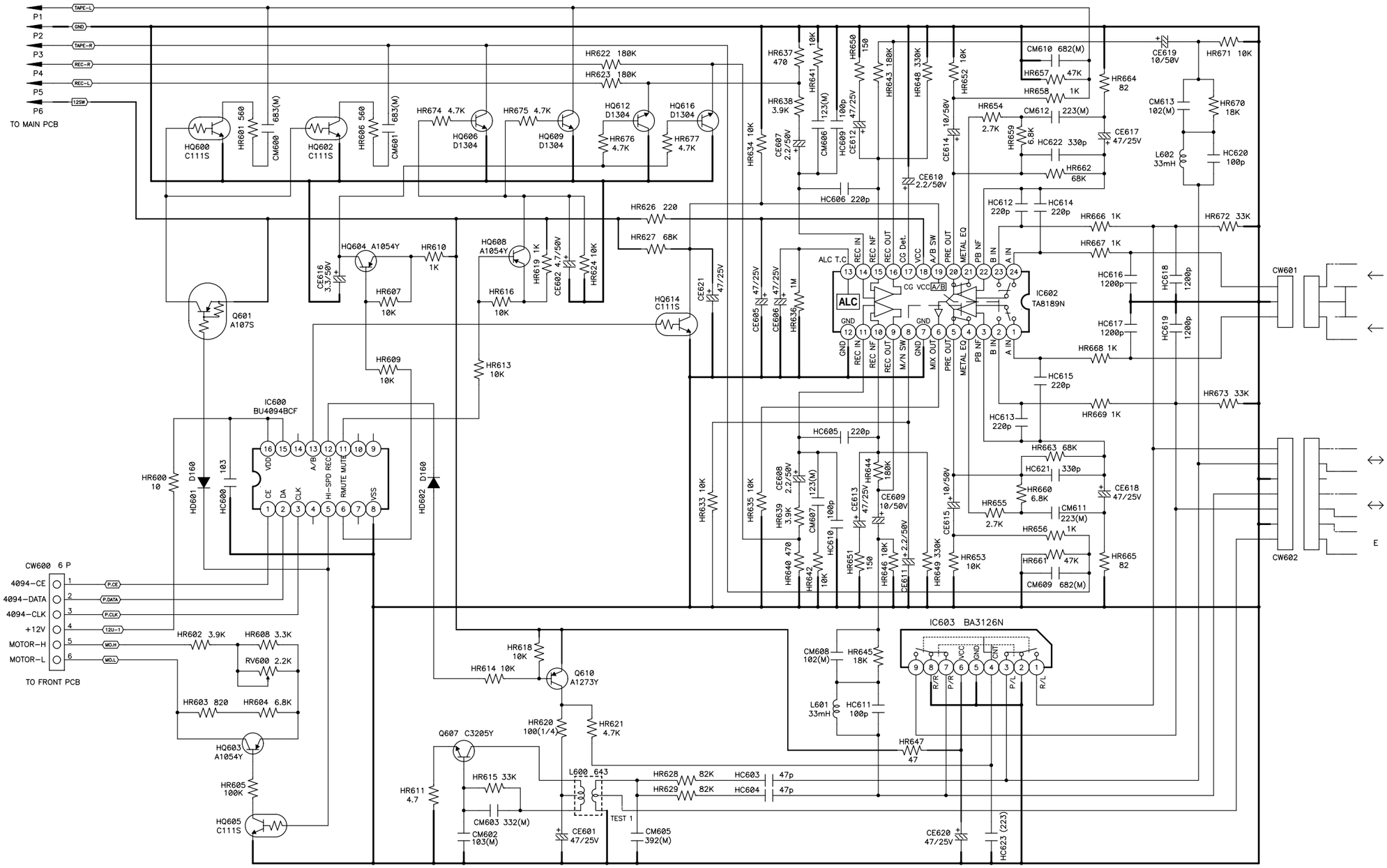
Block Diagram



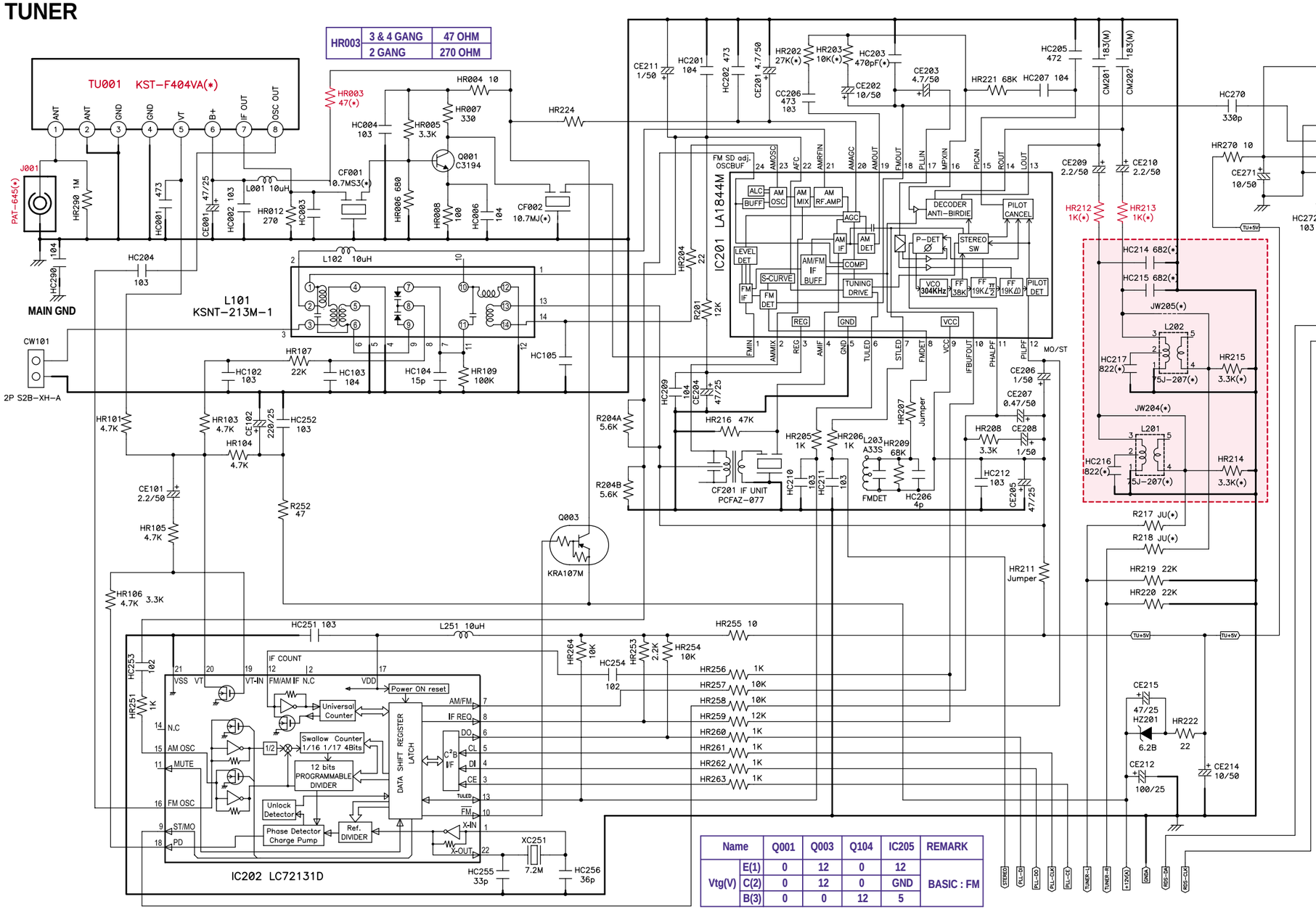
● MAIN


TO MP3 (OPTION)
CW509
CD_L
GND
CD_R
NC
+8.6V
GND
TO CD
CD_L
GND
CD_R
CD PWR
+8.6V(UNSW)
GND
LIMIT-SW
+5.6V(UNSW)
TO TAPE
REC_L
REC_R
TA_L
GND
TA_L
+12V(SW)
IC401
BD3872FS
Logic
Surround
Bass2 fc=50Hz
Bass1 fc=80Hz
Treble2 fc=10kHz
Treble1 fc=18kHz
Loud Speaker Equalizer 2
Loud Speaker Equalizer 1
TO KARAOKE (OPTION)
CW301
IN_L OUT
IN_R OUT
MIX_L IN
GND
MIX_R IN
+12V
-12V
TU-L
GND
TU-R
S/T
PLL-DIN
CLK
DATA
PLL-CE
RDS-CK
RDS-DA
+12V(SW)
TO TUNER
CN401
CN402
TO FRONT
IC901
L4959
IC802
STK-402-0**(*)
IC803
BA4560N
CN901
TO POWER
OPTION TABLE(* MARK)
W/ KARAOKE
W/O KARAOKE
HR425
HR426
OPTION TABLE(* MARK)
324 (30W)
324(S) (30W)
325 (50W)
326 (65W)
326(S) (65W)
IC802
HR814
HR820
HR817/HR822
HR818/HR823
HC827/HC828
OPTION TABLE(* MARK)
324 (30W)
325 (50W)
326 (65W)
CE911
CE912
OPTION TABLE(* MARK)
W/PSM
W/O PSM
160S
JUMPER
HD901
1N5402x4

● TAPE


P1 TAPE-L
P2 GND
P3 TAPE-R
P4 REC-R
P5 REC-L
P6 12SW
TO MAIN PCB
HQ600 C111S
HQ602 C111S
HQ606 D1304
HQ609 D1304
HQ612 D1304
HQ616 D1304
HQ604 A1054Y
HQ608 A1054Y
HQ614 C111S
Q601 A107S
IC600 BU4094BCF
VDD A/B REC MUTE VSS CE DA CLK HI-SPD RMUTE
HD601 D160
HD602 D160
CW600 6 P
4094-CE
4094-DATA
4094-CLK
+12V
MOTOR-H
MOTOR-L
TO FRONT PCB
IC602 TA8189N
ALC T.C
REC IN REC NF REC OUT CG Det. VCC A/B SW PRE OUT METAL EQ PB NF B IN A IN
GND REC IN REC NF REC OUT M/N SW GND MIX OUT PRE OUT METAL EQ PB NF B IN A IN
IC603 BA3126N
VCC GND CNT R/R P/R P/L R/L
CW601
CW602
L600 643
L601 33mH
L602 33mH
TEST 1
Q607 C3205Y
Q610 A1273Y

● TUNER



HR003	3 & 4 GANG	47 OHM
	2 GANG	270 OHM

OPTION TABLE(* MARK)

	CF001	CF002	HC203	HC214	HC215	HC216	HC217
FTZ	MS3	MJ	470pF	X	X	O	O
CE	MS3	MS3	1000pF	O	O	X	X
S-AM	MS2	MS2	1000pF	O	O	X	X

	HR003	HR214	HR215	HR219	HR220	JW204	JW205
FTZ	47	O	O	X	X	X	X
CE	47	X	X	O	O	O	O
S-AM	270	X	X	O	O	O	O

	L201	L202	R217	R218	TU001	JW208
FTZ	O	O	JW	JW	9737613501:4-Gang	O
CE	X	X	10K	10K	9737613201:3-Gang	O
S-AM	X	X	10K	10K	9737613801:2-Gang	X

	HR202	HR203	HR212	HR213	J001
FTZ	27K	10K	1K	1K	9736321900
CE	33K	10K	1K	1K	9736321900
S-AM	18K	18K	2.7K	2.7K	9736322201

Name		Q001	Q003	Q104	IC205	REMARK
Vtg(V)	E(1)	0	12	0	12	BASIC : FM
	C(2)	0	12	0	GND	
	B(3)	0	0	12	5	

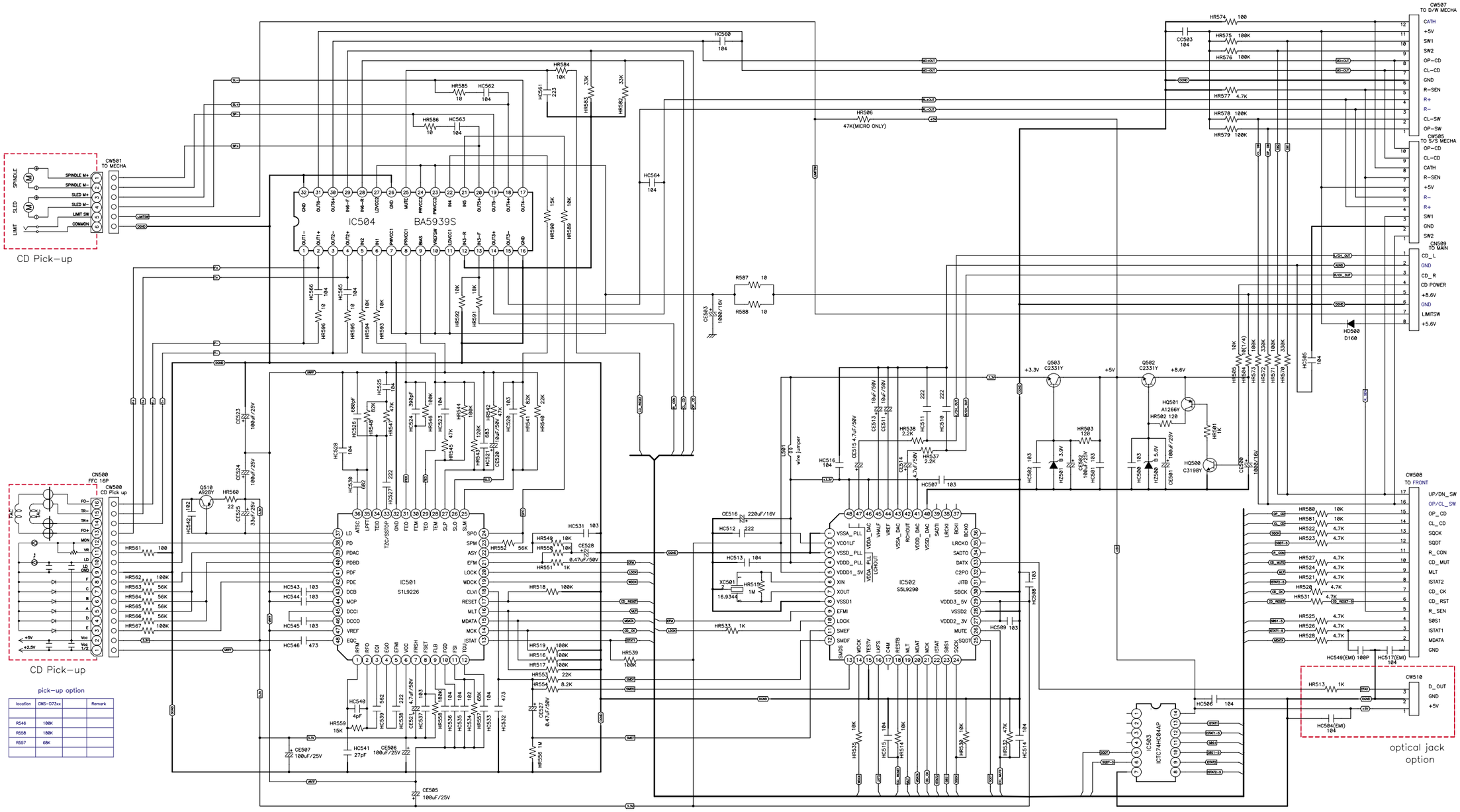
IC201	Pin No.	1	2	3	4	5	6	7	8	9	10	11	12
	Vtg(V)	2.1	4.8	2.1	2.1	GND	#1	#2	4.8	4.8	#3	#4	#5
	Pin No.	13	14	15	16	17	18	19	20	21	22	23	24
	Vtg(V)	3.2	3.2	2.1	2.1	2.1	4.5	#6	#7	#8	#9	4.8	3.5

#1 : SD ON(0V) OTHERWISE(5V)
#2 : STEREO(0V) MONO(5V)
#3 : NORMAL(V=< 0.5V) MUTE(1.4V=<V=<2.2V) SEEK(V>=3.5V)
#4 : FM(4V), AM(2.6V)
#5 : FM(4.1V), AM(3.0V)
#6 : FM(0V), AM(1.3V)
#7 : FM(3.6V), AM(1.0V)
#8 : FM(0.6V), AM(2.3V)
#9 : FM(?V), AM(?V)

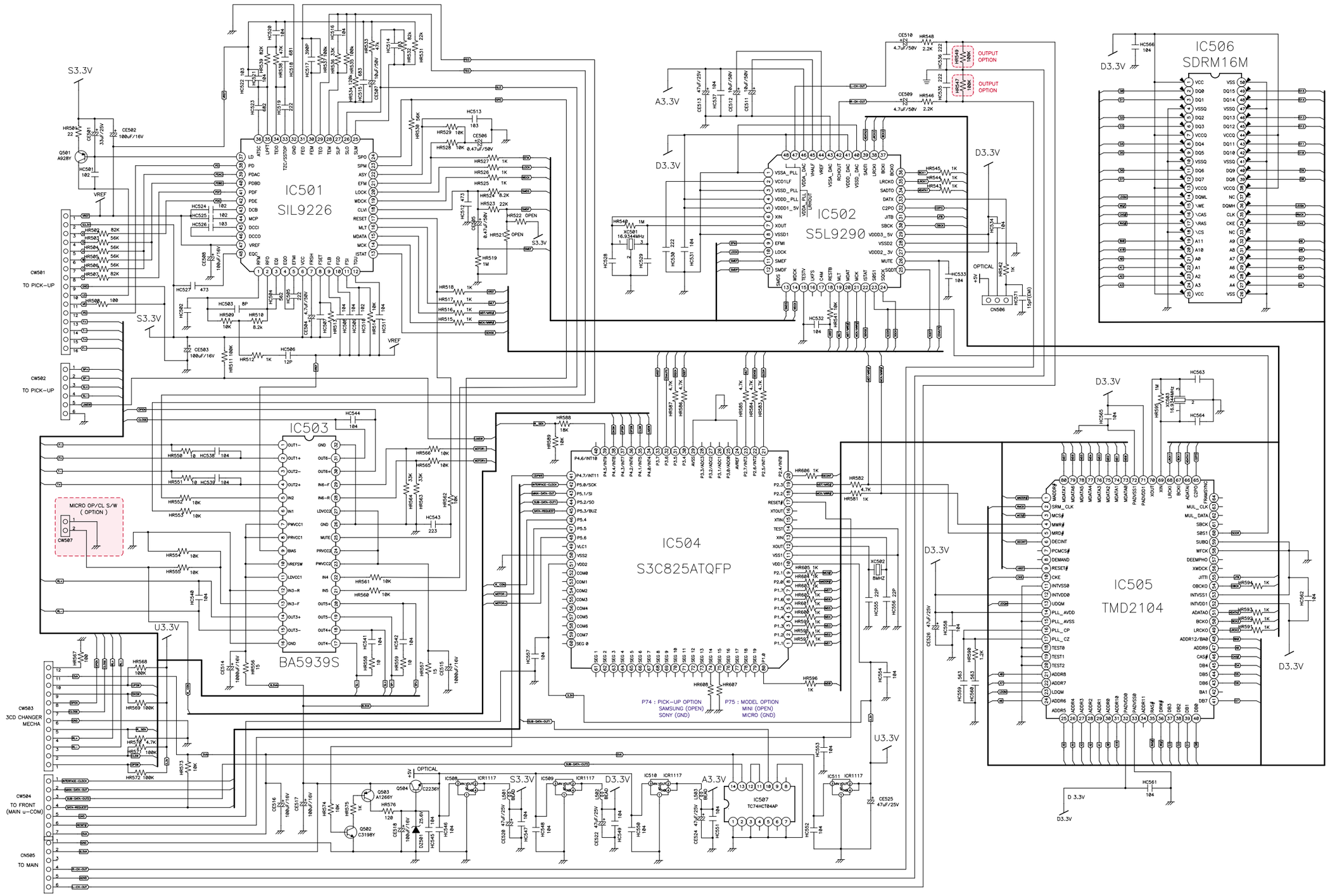
Name	Pin No.	1	2	3	4	5	6	7	8	9	10	11
IC202	Vtg(V)	2.5	N.C	0	0	0	VCC	#1	#2	#3	#4	N.C
	Pin No.	12	13	14	15	16	17	18	19	20	21	22
	Vtg(V)	#5	?	N.C	#6	#7	VCC	1.1	1.1	#8	GND	2.5

#1 : FM(3.7), AM(0)
#3 : FM(3.7), AM(0)
#5 : TUNING ON(VCC) TUNING OFF(0V)
#7 : FM(2.4V), AM(0V)
#2 : TUNING ON(VCC) TUNING OFF(0V)
#4 : FM(0), AM(12)
#6 : FM(0V), AM(2.4V)
#8 : VT

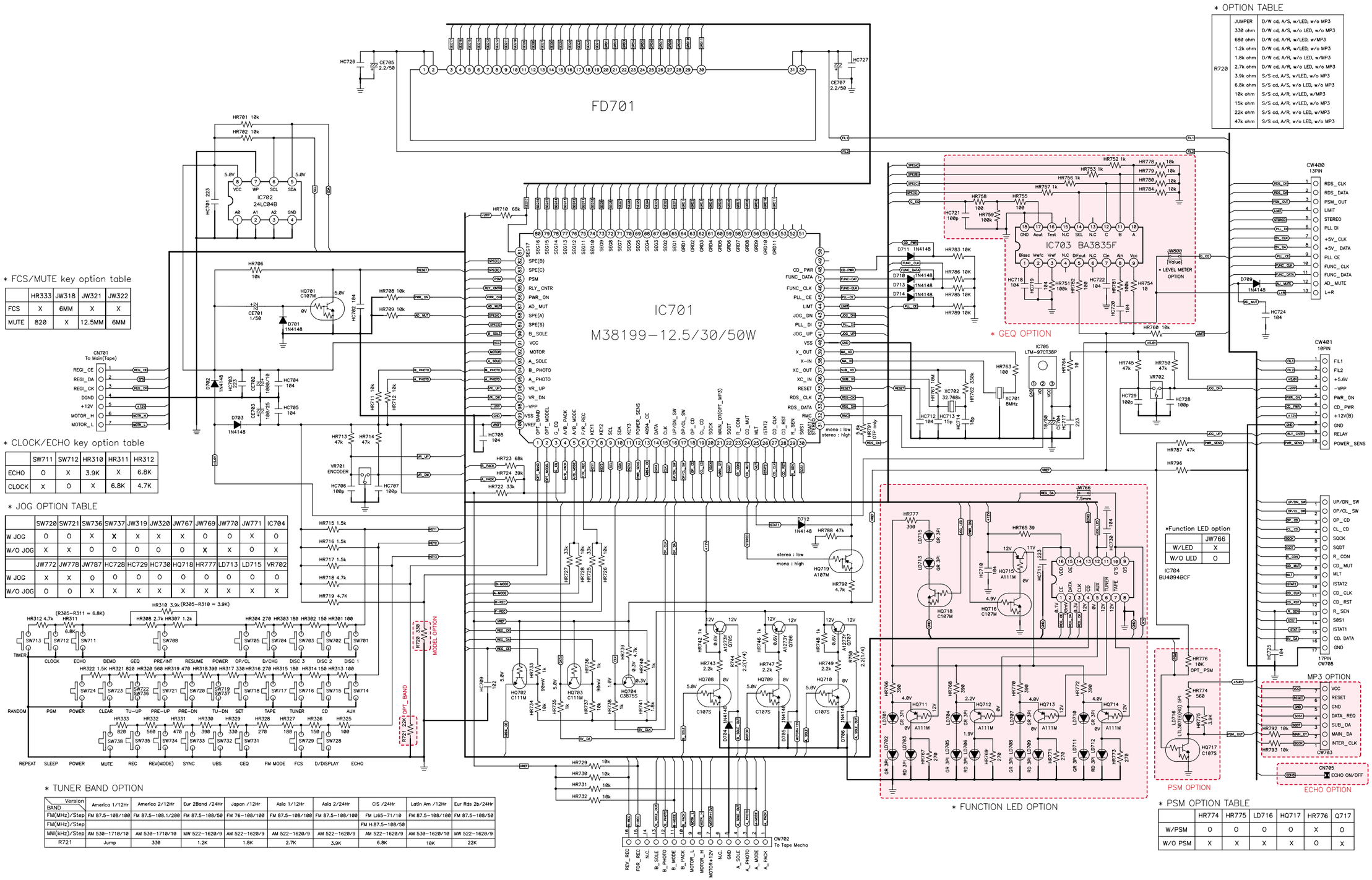
● CD


CW501 TO MECHA
SPINDLE M+
SPINDLE M-
SLED M+
SLED M-
LIMIT SW
COMMON
CD Pick-up
IC504
BA5939S
IC501
S1L9226
IC502
S5L9290
CW507 TO D/W MECHA
CATH
+5V
SW1
SW2
OP-CD
CL-CD
GND
R-SEN
R+
R-
CL-SW
OP-SW
CW506 TO S/S MECHA
CN509 TO MAIN
CD_L
GND
CD_R
CD POWER
+8.6V
GND
LIMITSW
+5.6V
HD500 D160
CN500 FFC 16P
CW500 CD Pick up
Q510 A928Y
Q501 A1266Y
Q502 C2331Y
Q503 C2331Y
HQ500 C3198Y
CW508 TO FRONT
UP/DN_SW
OP/CL_SW
OP_CD
CL_CD
SQCK
SQDT
R_CON
CD_MUT
MLT
ISTAT2
CD_CK
CD_RST
R_SEN
SBS1
ISTAT1
MDATA
GND
CW510
D_OUT
GND
+5V
optical jack option
IC503 TC74HC04AP
pick-up option
location | CMS-073xx | | Remark
R546 | 100K
R558 | 180K
R557 | 68K

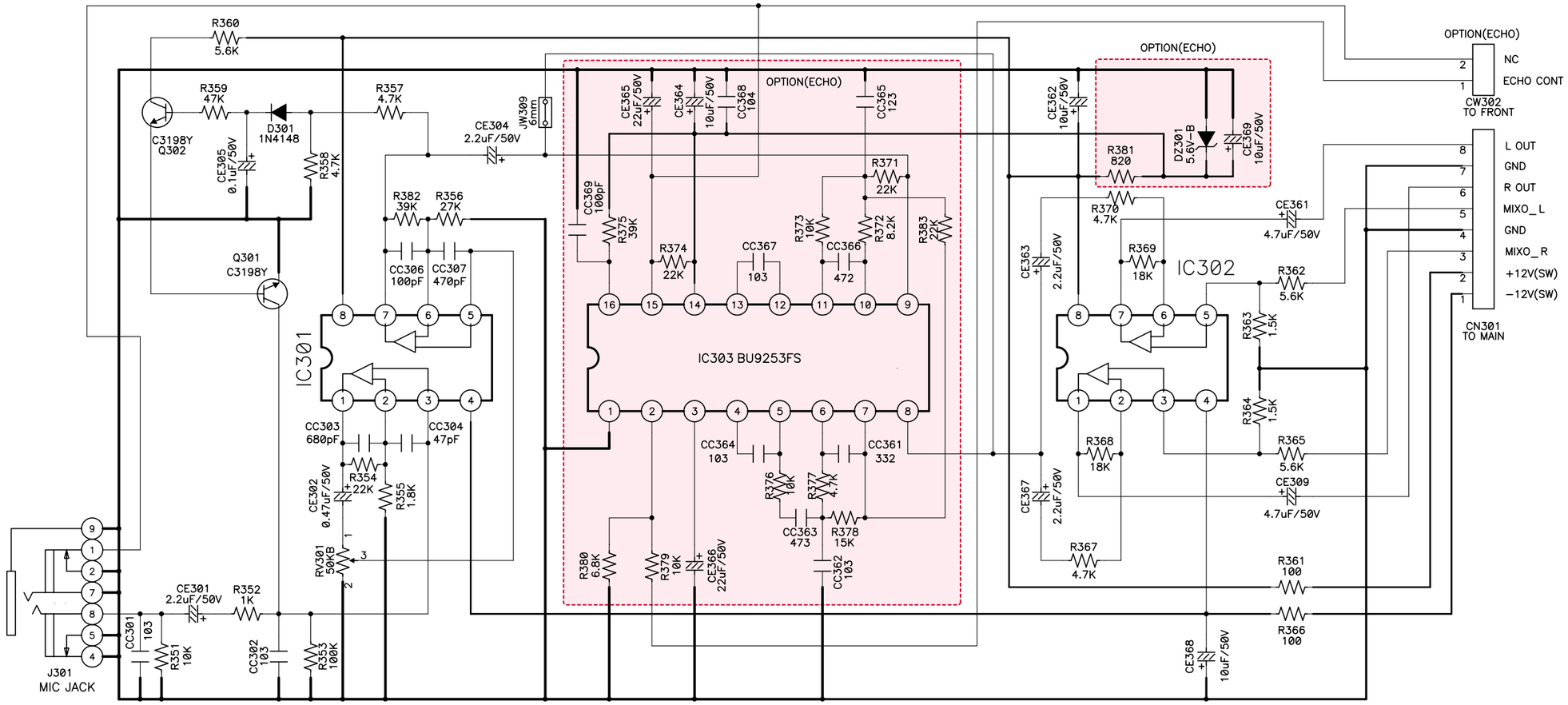
● MP3 CD [XG-324/325/326(K) Only]



● FRONT


FD701
IC701
M38199-12.5/30/50W
IC703 BA3835F
IC702 24LC04B
IC705 LTM-97CT38P
IC704 BU4094BCF
CW400 13PIN
CW401 10PIN
CW702 To Tape Mecha
CW703 MP3 OPTION
CN701 To Main(Tape)
CN705 ECHO ON/OFF
* OPTION TABLE
R720
JUMPER D/W cd, A/S, w/LED, w/o MP3
330 ohm D/W cd, A/S, w/o LED, w/o MP3
680 ohm D/W cd, A/R, w/LED, w/MP3
1.2k ohm D/W cd, A/R, w/LED, w/o MP3
1.8k ohm D/W cd, A/R, w/o LED, w/MP3
2.7k ohm D/W cd, A/R, w/o LED, w/o MP3
3.9k ohm S/S cd, A/S, w/LED, w/o MP3
6.8k ohm S/S cd, A/S, w/o LED, w/o MP3
10k ohm S/S cd, A/R, w/LED, w/MP3
15k ohm S/S cd, A/R, w/LED, w/o MP3
22k ohm S/S cd, A/R, w/o LED, w/MP3
47k ohm S/S cd, A/R, w/o LED, w/o MP3
* FCS/MUTE key option table
FCS: HR333 X, JW318 6MM, JW321 X, JW322 X
MUTE: HR333 820, JW318 X, JW321 12.5MM, JW322 6MM
* CLOCK/ECHO key option table
ECHO: SW711 O, SW712 X, HR310 3.9K, HR311 X, HR312 6.8K
CLOCK: SW711 X, SW712 O, HR310 X, HR311 6.8K, HR312 4.7K
* JOG OPTION TABLE
W JOG: JW720 O, JW721 O, JW736 X, JW737 X, JW319 X, JW320 X, JW767 X, JW769 O, JW770 O, JW771 X, IC704 O
W/O JOG: JW720 X, JW721 X, JW736 O, JW737 O, JW319 O, JW320 X, JW767 O, JW769 X, JW770 X, JW771 X, IC704 O
W JOG: JW772 X, JW778 JW787 O, HC728 O, HC729 O, HC730 O, HQ718 O, HR777 O, LD713 O, LD715 O, VR702 O
W/O JOG: JW772 O, JW778 JW787 X, HC728 X, HC729 X, HC730 X, HQ718 X, HR777 X, LD713 X, LD715 X, VR702 X
* TUNER BAND OPTION
Version / BAND | America 1/12Hr | America 2/12Hr | Eur 2Band /24Hr | Japan /12Hr | Asia 1/12Hr | Asia 2/24Hr | CIS /24Hr | Latin Am /12Hr | Eur Rds 2b/24Hr
FM(MHz)/Step | FM 87.5-108/100 | FM 87.5-108.1/200 | FM 87.5-108/50 | FM 76-108/100 | FM 87.5-108/100 | FM 87.5-108/100 | FM L:65-71/10 FM H:87.5-108/50 | FM 87.5-108/100 | FM 87.5-108/50
FM(MHz)/Step
MW(kHz)/Step | AM 530-1710/10 | AM 530-1710/10 | MW 522-1620/9 | AM 522-1620/9 | AM 522-1620/9 | AM 522-1620/9 | AM 522-1620/9 | AM 530-1620/10 | MW 522-1620/9
R721 | Jump | 330 | 1.2K | 1.8K | 2.7K | 3.9K | 6.8K | 10K | 22K
* LEVEL METER OPTION
* GEQ OPTION
* FUNCTION LED OPTION
*Function LED option
W/LED JW766 X
W/O LED JW766 O
* PSM OPTION TABLE
W/PSM: HR774 O, HR775 O, LD716 O, HQ717 O, HR776 X, Q717 O
W/O PSM: HR774 X, HR775 X, LD716 X, HQ717 X, HR776 O, Q717 X
PSM OPTION
ECHO OPTION
MODEL OPTION
OPT_BAND

● KARAOKE [AXG-326K/AXW-326K Only]



● POWER

* FUSE TABLE

	F980(110/127V)	F981(220/230/240)
XW(G)-324	AC 250V T 1.6A	AC250V T 800mA
XW(G)-325	AC 250V T 2.5A	AC250V T 1.25A
XW(G)-326	AC 250V T 3.15A	AC250V T 1.6A

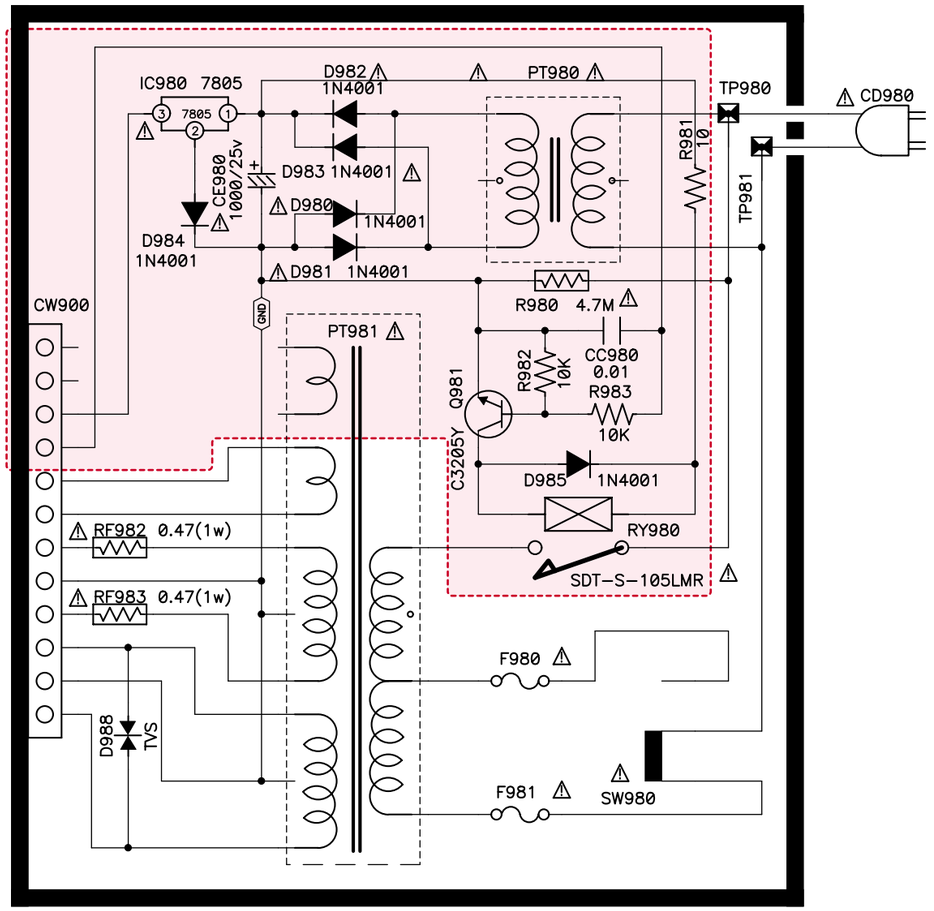
* TRANSFORMER TABLE

	230V	127/220V	127V	240V	127/240V
XW(G)-324	66890	66891	66892	66893	66894
XW(G)-325	74885	74886	74887	74888	74889
XW(G)-326	74895	74896	74897	74898	74899

* TVS DIODE TABLE

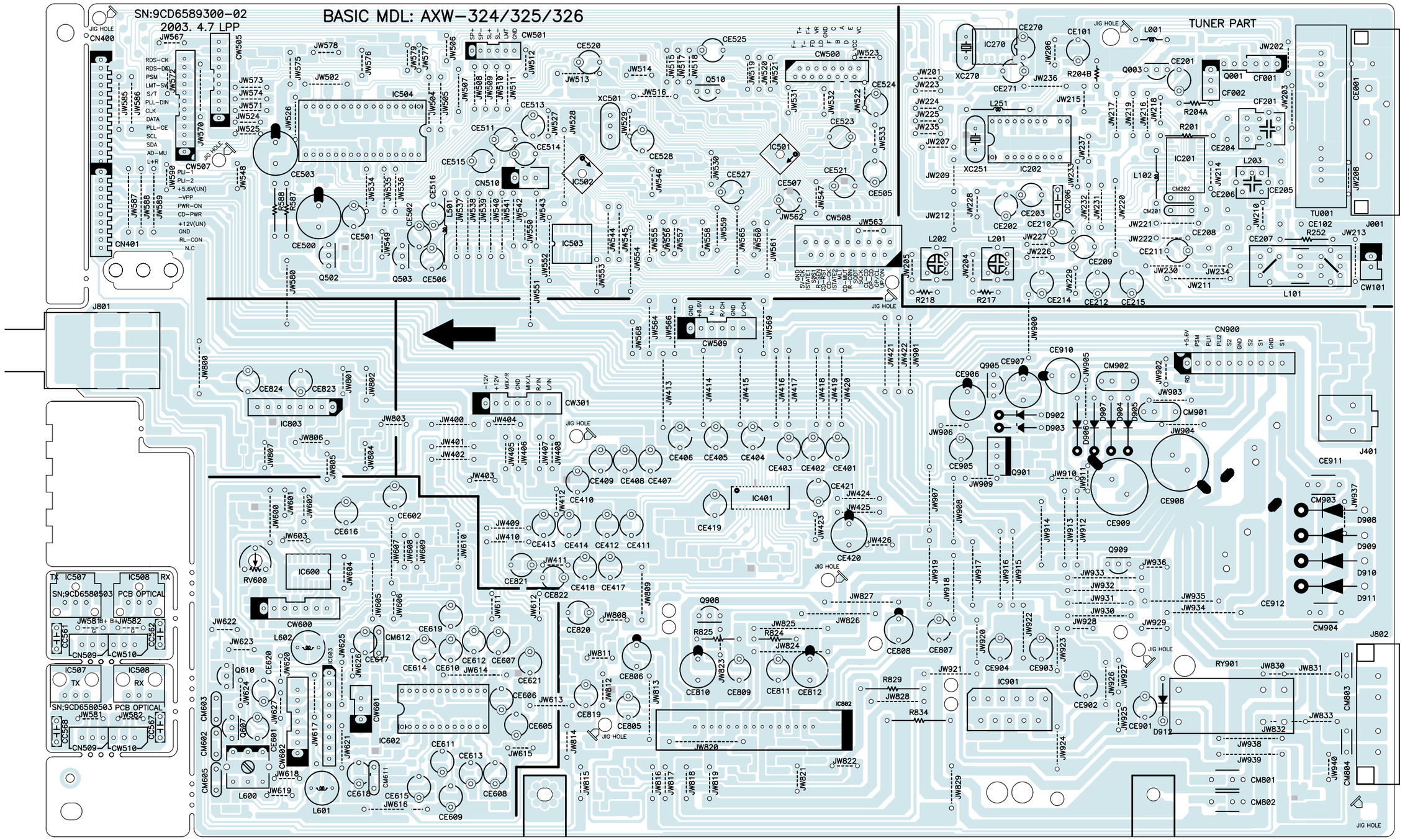
	230V	127/220V	127V	240V	127/240V
XW(G)-324	X	1.5KE?????	X	X	X
XW(G)-325	X	1.5KE?????	X	X	X
XW(G)-326	X	1.5KE?????	X	X	X

POWER SAVE MODE OPTION



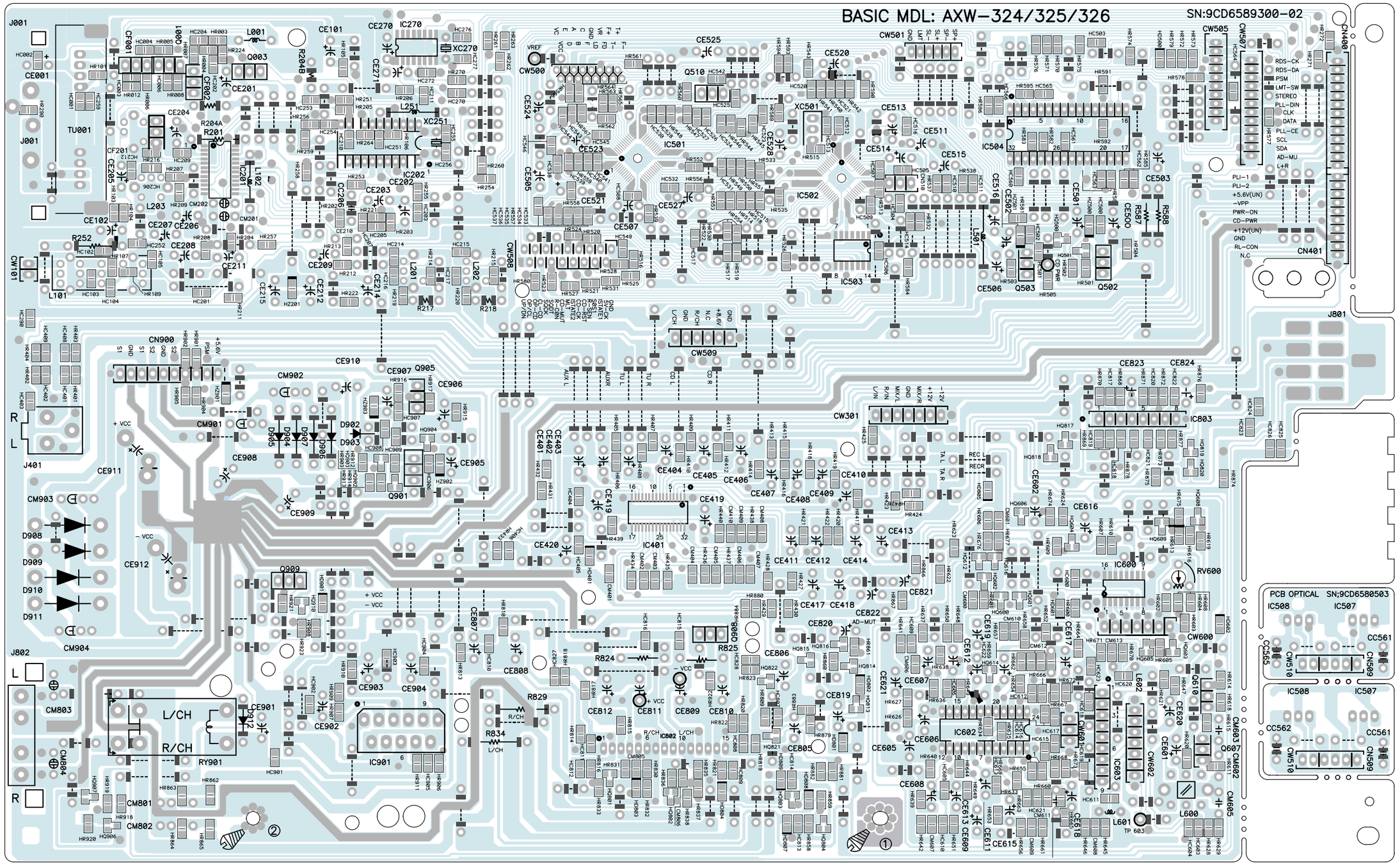
P.C.B Pattern Layout

● MAIN [Top View]



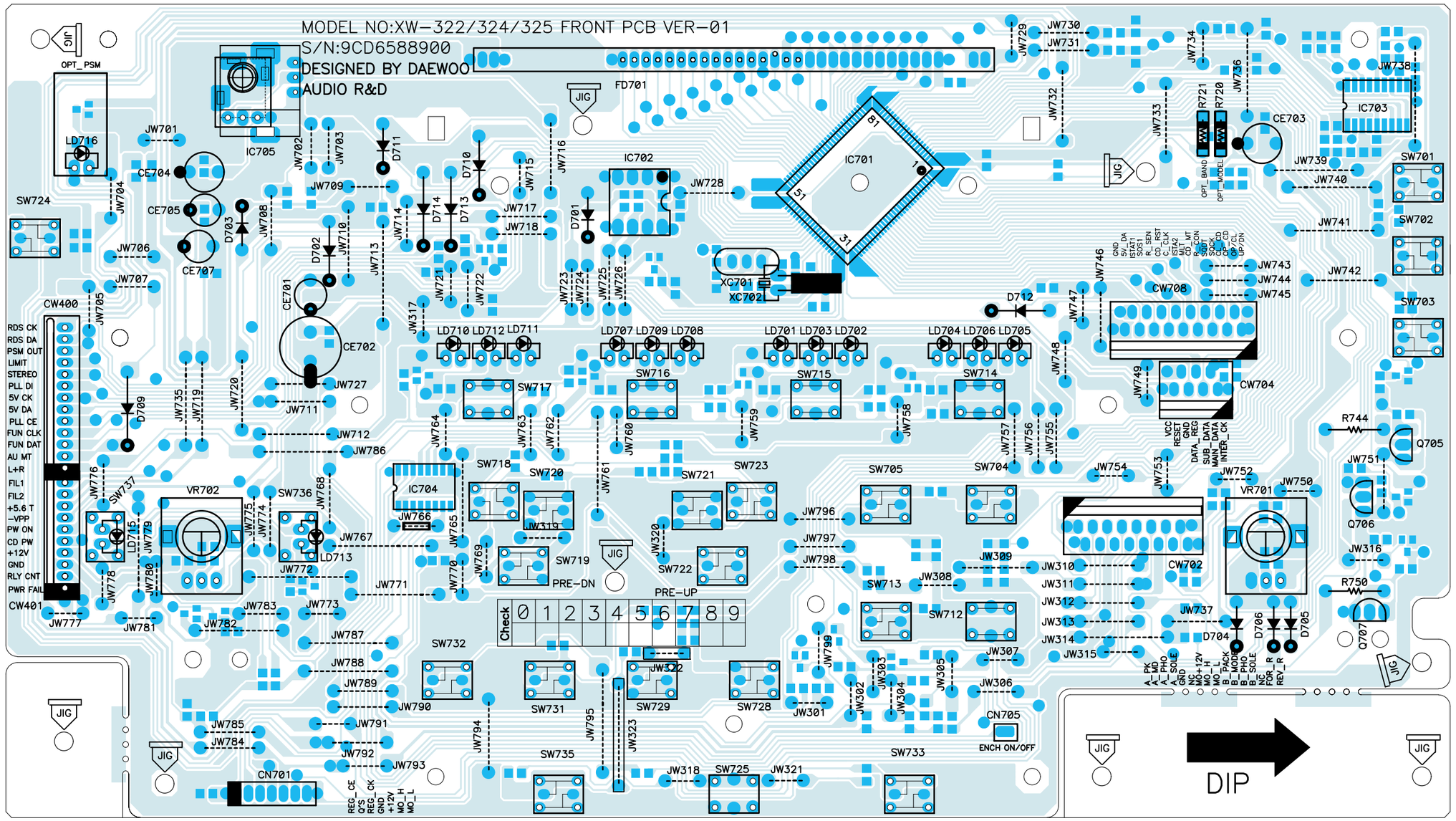
P.C.B Pattern Layout

● MAIN [Bottom View]



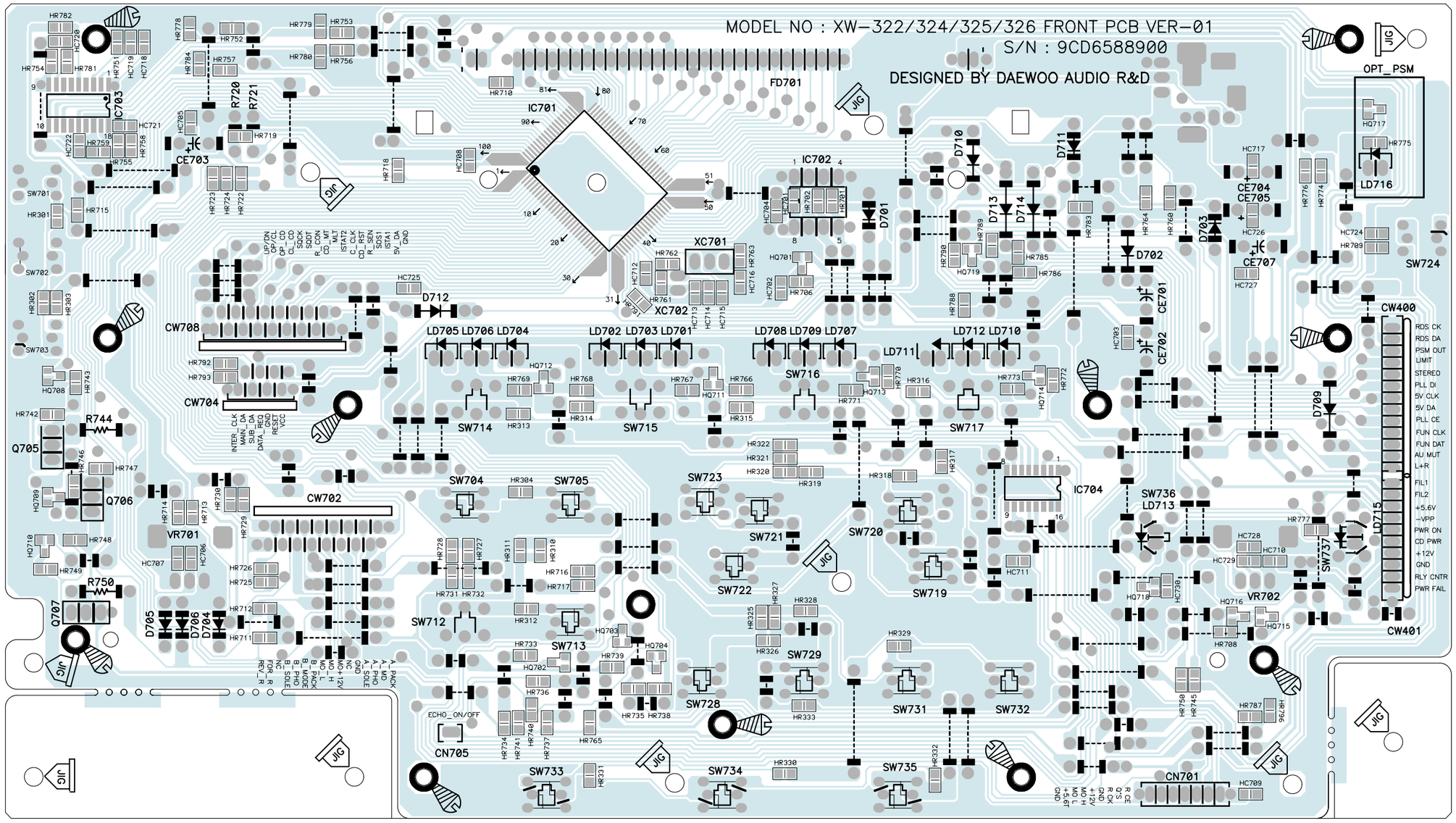
P.C.B Pattern Layout

● FRONT [Top View]



P.C.B Pattern Layout

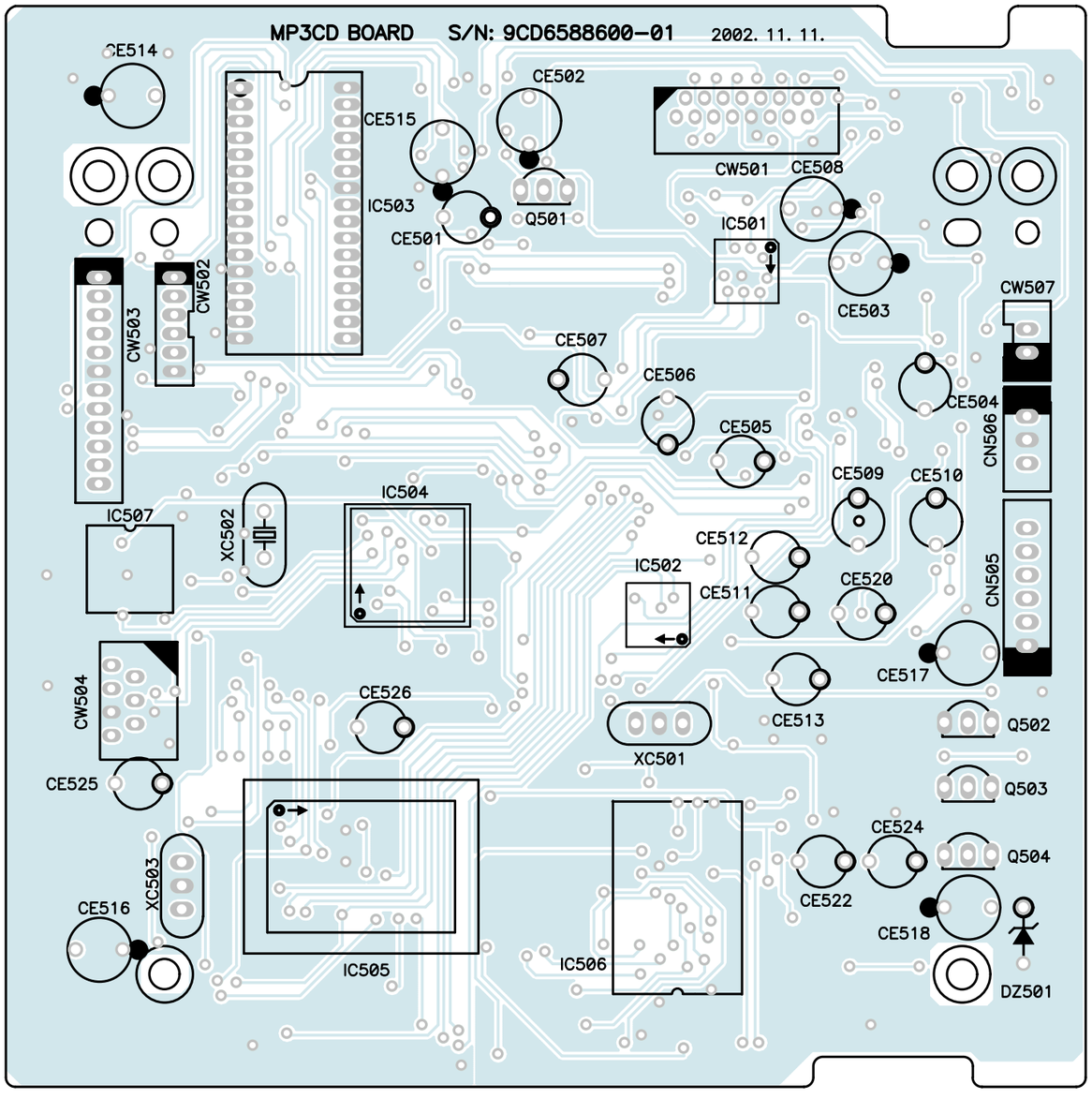
● FRONT [Bottom View]



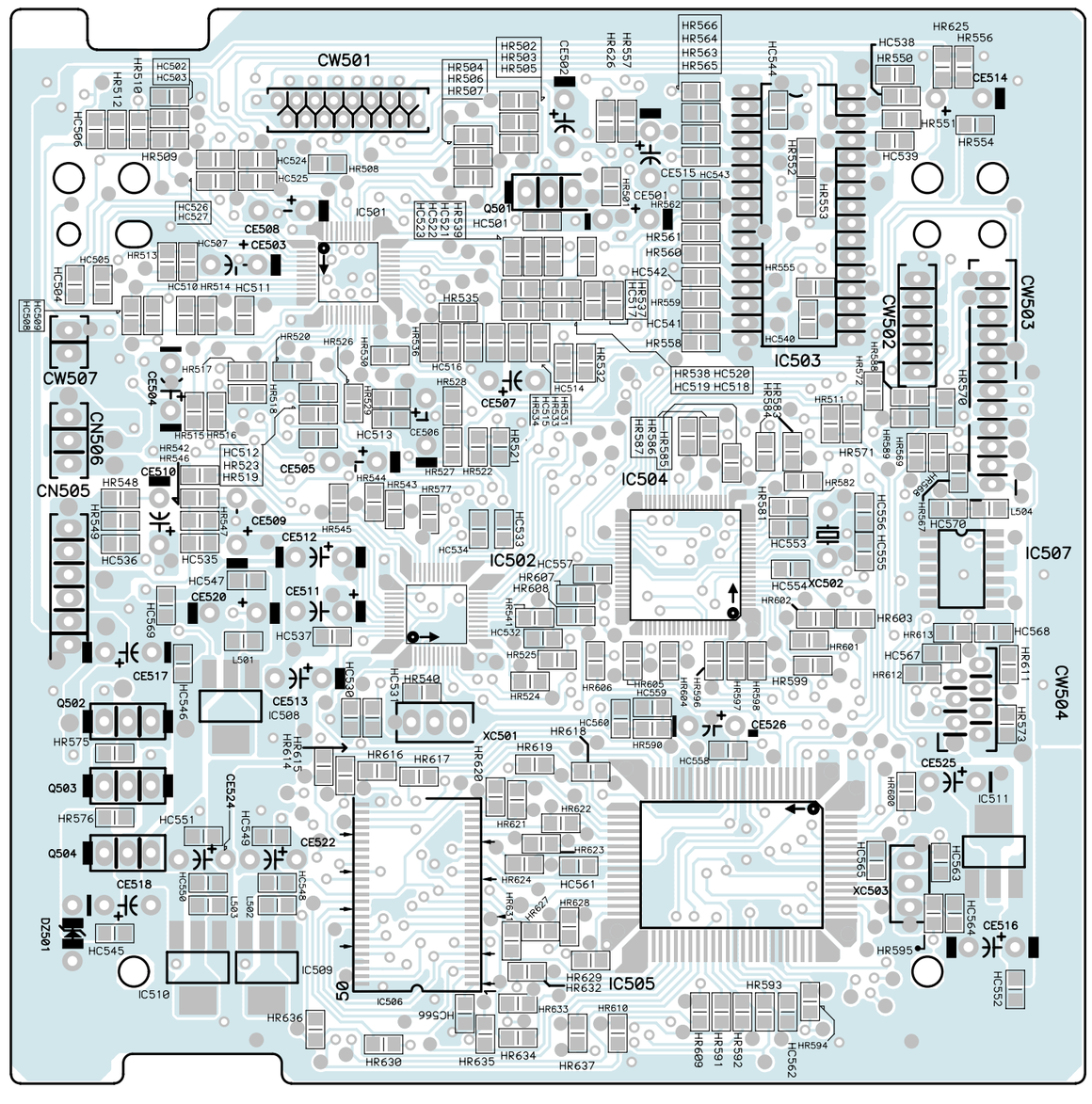
P.C.B Pattern Layout

● **MP3 CD [AXG-324/325/326(K) Only]**

<TOP VIEW>

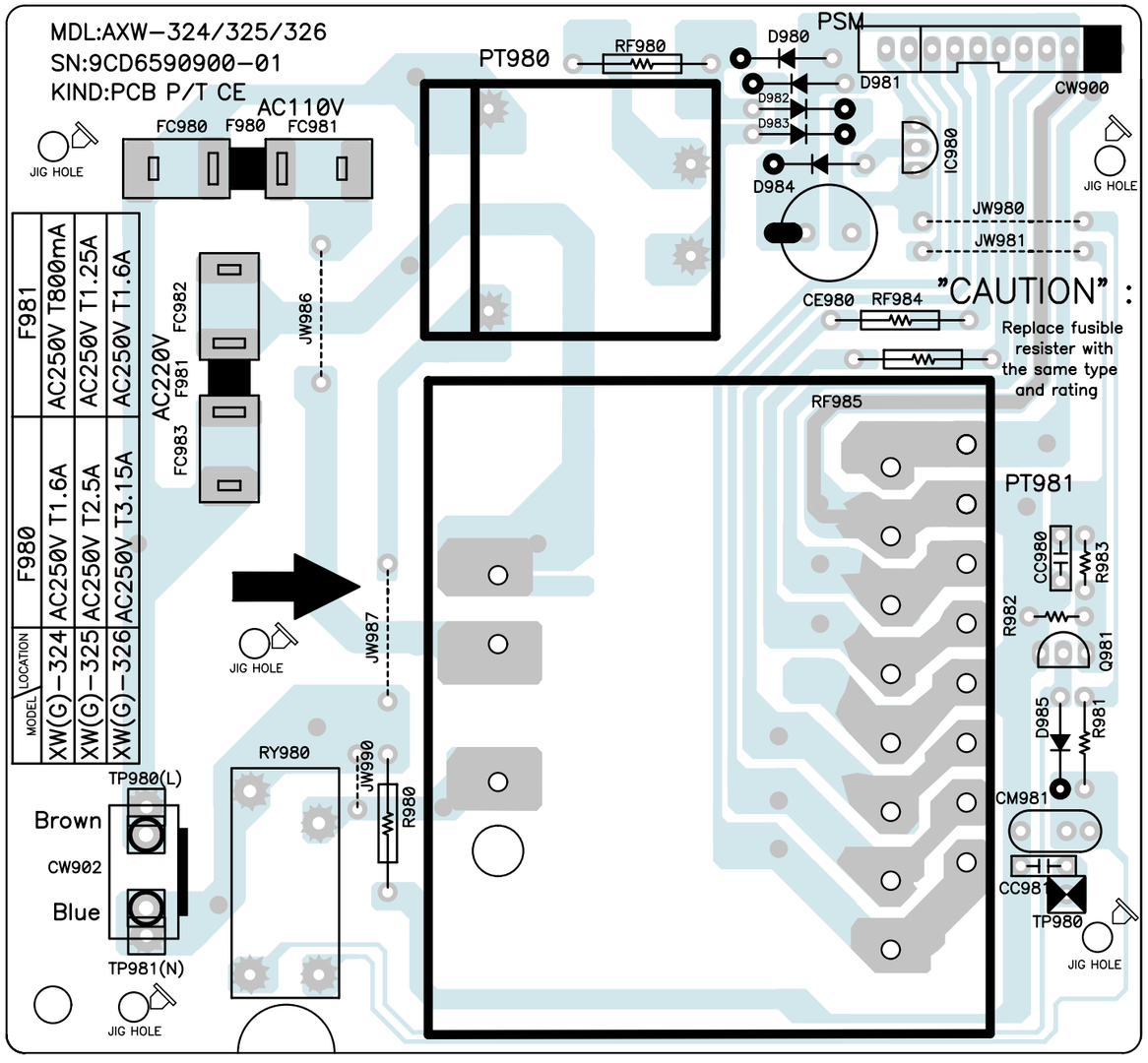


<BOTTOM VIEW>

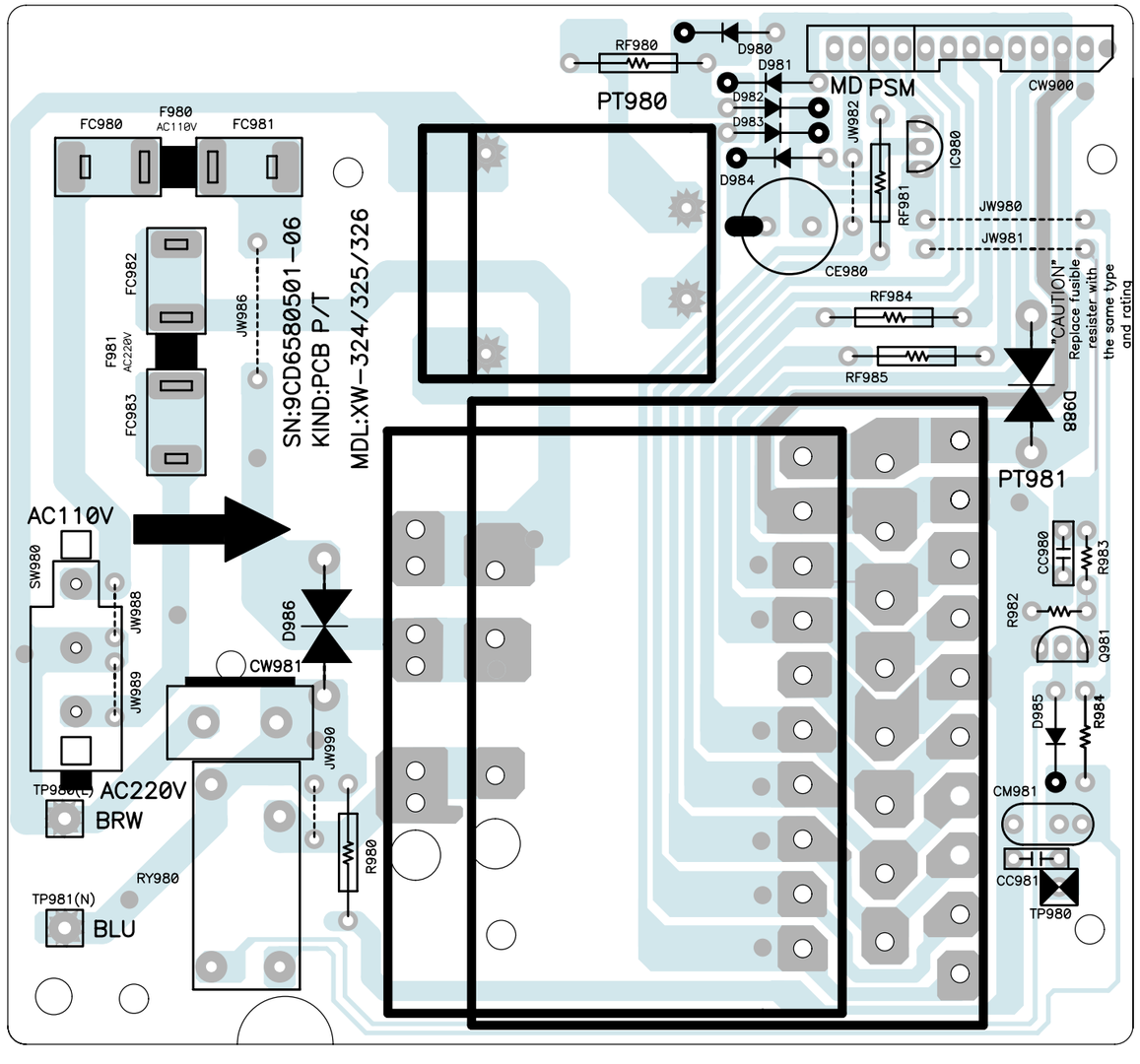


P.C.B Pattern Layout

● POWER [CE. UL Only]



● POWER [No PSM Only]



Electrical Parts List

MAIN PCB ASS'Y [9CDC064901]

Location	Part Code	Part Name	Description
B1000	9CD6589300-01	PCB MAIN	330X197X1.6T
CC206	CCZF1H473Z	C CERA	HIKF 50V 0.047MF Z (AXIAL)
CE001	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE101	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE102	CEXF1C221V	C ELECTRO	16V RSS 220MF (6.3X11) TP
CE201	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE202	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE203	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE204~CE205	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE206	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
CE207	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
CE208	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
CE209~CE210	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE211	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
CE212	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP
CE214	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE215	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE270~CE271	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE401~CE414	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE417~CE418	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE419	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE420	CEXF1C221V	C ELECTRO	16V RSS 220MF (6.3X11) TP
CE421	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE500	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
CE501~CE502	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP
CE503	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
CE505~CE507	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP
CE511	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE513	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE514~CE515	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE516	CEXF1C221V	C ELECTRO	16V RSS 220MF (6.3X11) TP
CE520	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE521	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE523~CE524	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP
CE525	CEXF1E330V	C ELECTRO	25V RSS 33MF (5X11) TP
CE527~CE528	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
CE601	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE602	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE605~CE606	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE607~CE608	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE609	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE610~CE611	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE612~CE613	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE614~CE615	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE616	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP
CE617~CE618	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE619	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE620~CE621	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE805	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE806	CEXF1H330V	C ELECTRO	50V RSS 33MF (5X11) TP
CE807	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE808	CEXF1H330V	C ELECTRO	50V RSS 33MF (5X11) TP
CE809	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE810	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
CE811	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE812	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
CE819	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE820	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
CE821~CE822	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE823~CE824	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE901~CE905	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE906~CE907	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
CE908~CE909	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20)
CE910	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
CE911~CE912	CEXF1H332V	C ELECTRO	50V RSS 3300MF (26X41)
CF001~CF002	5PLT107MS3	FILTER CERA	LT10.7MS3
CF201	5PPCFAZ077	FILTER	PCFAZ-077
CM201~CM202	CMXM2A183J	C MYLAR	100V 0.018MF J
CM401	HCBK224KBA	C CHIP CERA	50V X7R 0.22MF Z 2012
CM402~CM405	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
CM406~CM407	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
CM408	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
CM409~CM410	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CM600~CM601	HCBK683KBA	C CHIP CERA	50V X7R 0.068MF M 1608
CM602	CMXM2A103J	C MYLAR	100V 0.01MF J
CM603	CMXM2A332J	C MYLAR	100V 3300PF J
CM605	CMXM2A392J	C MYLAR	100V 3900PF J
CM606~CM607	HCBK123KBA	C CHIP CERA	50V X7R 0.012MF M 1608
CM608	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CM609~CM610	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608
CM611~CM612	CMXM2A223J	C MYLAR	100V 0.022MF J
CM613	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CM801~CM802	CMXM2A104J	C MYLAR	100V 0.1MF J

Location	Part Code	Part Name	Description
CM803~CM804	CMXM2A122J	C MYLAR	100V 1200PF J
CM901~CM904	CMXM2A104J	C MYLAR	100V 0.1MF J
CN400	9736407600	CONN PIN	53095-1310 13PIN BASE
CN401	9736407800	CONN PIN	53095-1010 10PIN BASE
CN500	9738840800	CONN AS	FFC 16P P1.0X250MM R
CN601	9738835000	CONN AS	UL 2851 #28X2C0 3P 260MM
CN602	9728804301-1	CONN AS	#28 7P SHIELD 250MM
CN900	9738833900	CONN AS	#22 8P BOARD-IN 350MM
CW101	2503-WR-02	WAFER	2P S2B-XH-A
CW500	9738842900	WAFER	16P FFC PIT1.0
CW501	2001-WS-06	WAFER	6P 2.0MM
CW507	2001-WS-12	WAFER	12P 2.0MM
CW508	9CD6263900	WAFER	52045-1745
CW600	2503-WS-07	WAFER	7P 2.5MM
CW601	2503-WS-03	WAFER	3P 2.5MM
CW602	2503-WS-07	WAFER	7P 2.5MM
D902~D903	DIN4001---	DIODE	IN4001
D904~D907	DRL202----	DIODE	RL202
D908~D911	DIN5402---	DIODE	IN5402
HZ901	DRLZ6R2B--	DIODE ZENER CHIP	RLZ6.2B
HZ902	DRLZ12B---	DIODE ZENER CHIP	RLZ12B
HZ903	DRLZ30B---	DIODE ZENER CHIP	RLZ30B
HC001	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC002	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC004	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC006	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC102	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC103	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC104	HCQK150JBA	C CHIP CERA	50V CH 15PF J 1608
HC201	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC202	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC203	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC204	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC205	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608
HC206	HCQK409DBA	C CHIP CERA	50V CH 4PF D 1608
HC207	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC209	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC210~HC212	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC214~HC215	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608
HC251~HC252	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC253~HC254	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC255	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608
HC256	HCQK360JBA	C CHIP CERA	50V CH 36PF J 1608
HC270	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608
HC272	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC276~HC277	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608
HC290	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC401~HC402	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC403	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC404~HC405	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC406	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC408~HC409	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC500~HC502	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC503~HC506	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC507~HC509	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC510~HC512	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC513~HC517	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC520	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC521	HCBK683KBA	C CHIP CERA	50V X7R 0.068MF M 1608
HC523	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC524	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608
HC525	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC526	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608
HC527	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC528	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC530	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608
HC531	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC532	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC533	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC534	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC535~HC536	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC537	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC538	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC539	HCBK562KBA	C CHIP CERA	50V X7R 5600PF K 1608
HC540	HCQK409DBA	C CHIP CERA	50V CH 4PF D 1608
HC541	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608
HC542	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC543~HC545	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC546	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC549	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC560	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC561	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
HC562~HC566	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC600	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608

Electrical Parts List

Location	Part Code	Part Name	Description
HC603~HC604	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608
HC605~HC606	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608
HC609~HC611	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC616~HC619	HCBK122KBA	C CHIP CERA	50V X7R 1200PF J 1608
HC620	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC621~HC622	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608
HC807	HCBK152KBA	C CHIP CERA	50V X7R 1500PF K 1608
HC808	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608
HC809	HCQK309JBA	C CHIP CERA	50V CH 3PF J 1608
HC810	HCBK152KBA	C CHIP CERA	50V X7R 1500PF K 1608
HC811	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608
HC812	HCQK309JBA	C CHIP CERA	50V CH 3PF J 1608
HC815~HC816	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
HC818	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608
HC819	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608
HC821	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608
HC822	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608
HC823~HC824	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC825~HC826	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC901~HC905	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608
HC906	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
HC907	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608
HC908~HC909	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HD401	DZDS160---	DIODE SW CHIP	KDS160
HD500	DZDS160---	DIODE SW CHIP	KDS160
HD601~HD602	DZDS160---	DIODE SW CHIP	KDS160
HD801~HD802	DZDS160---	DIODE SW CHIP	KDS160
HD805	DZDS160---	DIODE SW CHIP	KDS160
HD901	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HQ500	TZTC3875S-	TR CHIP	KTC3875Y
HQ501	TZTA1504S-	TR CHIP	KTA1504S
HQ600	TZRC111S--	TR CHIP	KRC111S
HQ601	TZRA107S--	TR CHIP	KRA107S
HQ602	TZRC111S--	TR CHIP	KRC111S
HQ603~HQ604	TZTA1504S-	TR CHIP	KTA1504S
HQ605	TZRC111S--	TR CHIP	KRC111S
HQ606	TZTD1304--	TR CHIP	KTD1304
HQ608	TZTA1504S-	TR CHIP	KTA1504S
HQ609	TZTD1304--	TR CHIP	KTD1304
HQ612	TZTD1304--	TR CHIP	KTD1304
HQ614	TZRC111S--	TR CHIP	KRC111S
HQ616	TZTD1304--	TR CHIP	KTD1304
HQ813~HQ814	TZRA107S--	TR CHIP	KRA107S
HQ815~HQ816	TZTD1304--	TR CHIP	KTD1304
HQ817~HQ820	TZRC111S--	TR CHIP	KRC111S
HQ821~HQ822	TZTD1304--	TR CHIP	KTD1304
HQ902	TZTC3875S-	TR CHIP	KTC3875Y
HQ903	TZRA111S--	TR CHIP	KRA111S
HQ904	TZRC107S--	TR CHIP	KRC107S
HQ910	TZRC107S--	TR CHIP	KRC107S
HR003	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
HR004	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR005	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
HR006	HRFT681JBA	R CHIP	1/10 680 OHM J 1608
HR007	HRFT331JBA	R CHIP	1/10 330 OHM J 1608
HR008	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR012	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR101	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR103~HR106	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR107	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR109	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR202	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR203	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR204	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
HR205~HR206	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR207	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR208	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
HR209	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR211~HR213	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR216	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR219~HR220	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR221	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR222	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
HR251	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR253	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR254	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR255	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR256	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR257~HR258	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR259	HRFT123JBA	R CHIP	1/10 12K OHM J 1608
HR260	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR261~HR263	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR264	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR270	HRFT100JBA	R CHIP	1/10 10 OHM J 1608

Location	Part Code	Part Name	Description
HR271~HR272	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR290	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR401~HR402	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608
HR403	HRFT393JBA	R CHIP	1/10 39K OHM J 1608
HR404	HRFT393JBA	R CHIP	1/10 39K OHM J 1608
HR405	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR407	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR409	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR410	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR411	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR412	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR413	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR415	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR417	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR418	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR419	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608
HR420	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR421	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR422	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608
HR423~HR424	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
HR425~HR426	HRFT000-BA	R CHIP	1/10 0 OHM J 1608
HR427	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR428	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR429	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR430	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR431	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR432	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR433	HRFT561JBA	R CHIP	1/10 560 OHM J 1608
HR434	HRFT394JBA	R CHIP	1/10 390K OHM J 1608
HR435	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
HR436	HRFT394JBA	R CHIP	1/10 390K OHM J 1608
HR437	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
HR438	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR439~HR440	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR501	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR502~HR503	HRFT121JBA	R CHIP	1/10 120 OHM J 1608
HR504	HRF4100JEA	R CHIP	1/4W 10 OHM J 3216
HR505	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR513	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR514	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR515	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR516~HR519	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR520~HR528	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR530	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR531	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR532	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR533	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR535	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR537~HR538	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR539	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR540	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR541	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR542	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR543	HRFT124JBA	R CHIP	1/10 120K OHM J 1608
HR544	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR545	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR546	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR547	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR548	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR549~HR550	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR551	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR552~HR566	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR553	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR554	HRFT822JBA	R CHIP	1/10 8.2K OHM J 1608
HR556	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR557	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR558	HRFT184JBA	R CHIP	1/10 180K OHM J 1608
HR559	HRFT153JBA	R CHIP	1/10 15K OHM J 1608
HR560	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
HR561	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR562	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR567	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR570	HRFT334JBA	R CHIP	1/10 330K OHM J 1608
HR571	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR572	HRFT334JBA	R CHIP	1/10 330K OHM J 1608
HR573	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR574	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR575~HR576	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR577	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR578~HR579	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR580~HR581	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR582~HR583	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR584	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR585~HR586	HRFT100JBA	R CHIP	1/10 10 OHM J 1608

Electrical Parts List

Location	Part Code	Part Name	Description
HR589	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR590~HR591	HRFT153JBA	R CHIP	1/10 15K OHM J 1608
HR592~HR594	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR595~HR596	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR600	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR601	HRFT561JBA	R CHIP	1/10 560 OHM J 1608
HR602	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608
HR603	HRFT821JBA	R CHIP	1/10 820 OHM J 1608
HR604	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608
HR605	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR606	HRFT561JBA	R CHIP	1/10 560 OHM J 1608
HR607	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR608	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
HR609	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR610	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR611	HRFT479JBA	R CHIP	1/10 4.7 OHM J 1608
HR613~HR614	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR615	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR616	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR618	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR619	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR620	HRF4101JEA	R CHIP	1/4W 100 OHM J 3216
HR621	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR622~HR623	HRFT184JBA	R CHIP	1/10 180K OHM J 1608
HR624	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR626	HRFT221JBA	R CHIP	1/10 220 OHM J 1608
HR627	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR628~HR629	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR633~HR634	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR636	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR637	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
HR638~HR639	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608
HR640	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
HR641~HR642	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR643~HR644	HRFT184JBA	R CHIP	1/10 180K OHM J 1608
HR645	HRFT183JBA	R CHIP	1/10 18K OHM J 1608
HR646	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR647	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
HR648~HR649	HRFT334JBA	R CHIP	1/10 330K OHM J 1608
HR650~HR651	HRFT151JBA	R CHIP	1/10 150 OHM J 1608
HR652~HR653	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR654~HR655	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608
HR656	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR657	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR658	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR659~HR660	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608
HR661	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR662~HR663	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR664~HR665	HRFT820JBA	R CHIP	1/10 82 OHM J 1608
HR666~HR870	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR670	HRFT183JBA	R CHIP	1/10 18K OHM J 1608
HR671	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR672~HR673	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR674~HR677	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR809~HR810	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR813	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR814	HRFT821JBA	R CHIP	1/10 820 OHM J 1608
HR815	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR816	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR819	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR820	HRFT821JBA	R CHIP	1/10 820 OHM J 1608
HR821	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR860	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR861	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR862~HR865	HRF4689JEA	R CHIP	1/4W 6.8 OHM J 3216
HR866~HR867	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR868	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR869	HRFT183JBA	R CHIP	1/10 18K OHM J 1608
HR871	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR872	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR873	HRFT183JBA	R CHIP	1/10 18K OHM J 1608
HR874	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR875~HR876	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR877~HR878	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
HR879~HR880	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR881~HR882	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
HR883~HR884	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR901~HR902	HRF4479JEA	R CHIP	1/4W 4.7 OHM J 3216
HR903	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
HR904~HR905	HRFT221JBA	R CHIP	1/10 220 OHM J 1608
HR906~HR907	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
HR908	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR909~HR911	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR912	HRF4102JEA	R CHIP	1/4 1K OHM J 3216

Location	Part Code	Part Name	Description
HR913	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
HR914	HRF4222JEA	R CHIP	1/4 2.2K OHM J 3216
HR915	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR916	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR917	HRF4102JEA	R CHIP	1/4 1K OHM J 3216
HR921	HRF4103JEA	R CHIP	1/4 10K OHM J 3216
HR922~HR923	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HZ201	DRLZ6R2B--	DIODE ZENER CHIP	RLZ6.2B
HZ500	DRLZ5R6B--	DIODE ZENER CHIP	RLZ5.6B
HZ501	DRLZ3R9B--	DIODE ZENER CHIP	RLZ3.9B
IC201	1LA1844M--	IC	LA1844M
IC202	1LC72131D-	IC PLL	LC72131D
IC270	1LC72723M-	IC	LC72723M
IC401	1BD3872FS-	IC	BD3872FS
IC501	1S1L9226--	IC SSP	S1L9226
IC502	1S5L9290--	IC DSP	S5L9290
IC503	1TC74HCT04AF	IC	TC74HCT04AF
IC504	1BA5939S--	IC MOTOR DRIVE	BA5939S
IC600	1F4094BM1T	IC	HCF4094M013TR
IC602	1TA8189N--	IC	TA8189N
IC603	1BA3126N--	IC SWITCHING	BA3126N
IC802	1STK402070	IC	STK 402-070
IC803	1BA4560N--	IC	BA4560N(H/P AMP)
IC901	1L4959----	IC	L4959
J001	9736321900	JACK ANT	PAT-645
J401	9CD6313700	JACK RCA	S-436P
J801	9766319501	JACK HEADPHONE	HTJ-064-05B GOLD
J802	9736320500	JACK SPEAKER	CJ-9007-040
JW201	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW202	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW203	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW204~JW206	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW207	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW208	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW209	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW210	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW211	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW212	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW213	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW214~JW215	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW216~JW217	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW218	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW219	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW220	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW221	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW222	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW223~JW229	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW230	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW231~JW232	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW233~JW235	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW236	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW237	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW400~JW402	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW403	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW404~JW408	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW409~JW410	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW411~	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW413~JW422	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW423	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW424~JW425	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW426	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW502	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW504~JW505	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW506	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW507~JW511	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW512	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW513	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW514	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW515~JW521	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW516	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW522~JW525	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW526	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW527	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW528	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW529	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW530	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW531~JW533	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW534~JW536	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW537~JW541	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW542~JW545	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW543	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW544	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW546	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW547	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO

Electrical Parts List

Location	Part Code	Part Name	Description
JW548~JW549	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW550	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW551~JW552	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW553	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW554	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW555	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW556~JW558	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW559	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW560	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW561	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW562~JW563	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW564	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW565	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW566	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW567	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW568	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW569~JW570	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW571	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW572	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW573~JW575	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW576~JW579	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW580	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW585~JW586	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW587~JW589	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW590	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW600	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW601	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW602	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW603	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW604	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW605	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW606	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW607	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW608~JW609	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW610	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW611~JW612	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW613	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW614	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW615	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW616	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW617	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW618~JW620	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW621	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW622~JW624	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW625	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW626~JW627	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW800	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW801	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW802	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW803~JW805	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW806	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW807~JW808	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW809	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW811	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW812	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW813	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW814~JW819	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW820	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW821~JW823	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW824~JW827	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW828	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW829	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW830	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW832	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW900	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW901	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW902	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW903~JW905	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW906	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW907~JW908	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW909	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW910~JW911	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW912~JW913	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW914	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW915~JW916	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW917~JW919	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW920	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW921~JW922	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW923~JW924	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW925	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW926	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW927	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW928~JW929	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW930~JW931	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW932~JW935	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW936	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW937	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW938~JW939	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
L001	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L101	5LR0000835	AM RF UNIT	KSNT-213M-1
L102	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L203	5107FBKA33	COIL DET FM	A33S
L251	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L501	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
L600	5L0503K643	COIL BIAS OSC	SM-10F 5.04MH
L601~L602	5LC333K804	COIL CHOKE	33MH K
Q001	TZTC3194Y-	TR	KTC3194Y (KTC1923Y) AUTO
Q003	TZRA107M--	TR	KRA107M (KSR2006) AUTO
Q502~Q503	TZSC2331Y-	TR	KSC2331Y
Q510	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)
Q607	TZTC3205Y-	TR	KTC3205Y (KTC2236Y) AUTO
Q610	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)
Q901	TZTA1046Y-	TR	KTA1046Y (KTA1366Y) AUTO
Q905	TZTA1274Y-	TR	KTA1274Y
Q908	TZTC3200GR	TR	KTC3200GR (2240GR) AUTO
Q909	TZRA107M--	TR	KRA107M (KSR2006) AUTO
R201	RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R204A~R204B	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R217~R218	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R252	RD-AZ470J-	R CARBON FILM	1/6 47 OHM J
R587~R588	RD-2Y100J-	R CARBON FILM	1/2 10 OHM J
R824~R825	RN01B101J-	R METAL FILM	1W 100 OHM J
R829	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
R834	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
RV600	RV1417222-	R SEMI FIXED	1/10 2.2K OHM B V6EK-PV1S
TU001	9737613201	TUNER PACK	KST-F401VA-3
XC251	5XA7R2000D	X-TAL	7.2M
XC270	5XA4R332M-	X-TAL	4.332MHz
XC501	5PQZTT1693	RESONATOR CERA	QZTT16.93MMX(3PIN)

FRONT PCB ASS'Y [9CDC065001]

Location	Part Code	Part Name	Description
B701	9CD6588900-01	PCB FRONT	247X139X1.6T
CE701	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
CE702	CEXF1A102V	C ELECTRO	10V RSS 1000MF (8X12.5)
CE703	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP
CE704	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE705	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE707	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CN701	9728812400	CONN AS	#26 FLAT 200MM 7P
CN702	9728812100	CONN AS	FFC 16P P1.25X150MM R
CN708	9728818700	CONN AS	FFC 17P P=1.25X320MM R
CW400	9736407700	PIN WAFER	52084-1310 13P BOTTOM
CW401	9736407900	PIN WAFER	52084-1010 10P BOTTOM
CW702	9CD6261600	WAFER	52492-1620 BOTTOM ENTRY
CW708	9CD6261700	WAFER	52492-1720 BOTTOM ENTRY
D701~D706	DZN4148---	DIODE	IN4148 AUTO 52MM
D709~D714	DZN4148---	DIODE	IN4148 AUTO 52MM
FD701	DHNA11MS26	VFD	HNA-11MS26
HC701	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
HC702	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC703	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
HC704~HC705	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC706~HC707	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC708	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC709	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC712	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC713	HCQK150JBA	C CHIP CERA	50V CH 15PF J 1608
HC714	HCQK180JBA	C CHIP CERA	50V CH 18PF J 1608
HC717	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608
HC718~HC720	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC721	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC722	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HC724~HC725	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608
HQ701	TZRC107S--	TR CHIP	KRC107S
HQ702~HQ703	TZRC111S--	TR CHIP	KRC111S
HQ704	TZTC3875S-	TR CHIP	KTC3875Y
HQ708~HQ710	TZRC107S--	TR CHIP	KRC107S
HQ711~HQ714	TZRA111S--	TR CHIP	KRA111S
HQ719	TZRA107S--	TR CHIP	KRA107S
HR301	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR302	HRFT151JBA	R CHIP	1/10 150 OHM J 1608
HR303	HRFT181JBA	R CHIP	1/10 180 OHM J 1608
HR304	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR311	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608
HR312	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR313	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR314	HRFT151JBA	R CHIP	1/10 150 OHM J 1608

Electrical Parts List

Location	Part Code	Part Name	Description
HR315	HRFT181JBA	R CHIP	1/10 180 OHM J 1608
HR316	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR317	HRFT331JBA	R CHIP	1/10 330 OHM J 1608
HR318	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
HR319	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
HR320	HRFT561JBA	R CHIP	1/10 560 OHM J 1608
HR321	HRFT821JBA	R CHIP	1/10 820 OHM J 1608
HR322	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608
HR325	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR326	HRFT151JBA	R CHIP	1/10 150 OHM J 1608
HR327	HRFT181JBA	R CHIP	1/10 180 OHM J 1608
HR328	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR329	HRFT331JBA	R CHIP	1/10 330 OHM J 1608
HR330	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
HR331	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
HR332	HRFT561JBA	R CHIP	1/10 560 OHM J 1608
HR333	HRFT821JBA	R CHIP	1/10 820 OHM J 1608
HR701~HR702	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR706	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR708~HR709	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR710	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR711~HR712	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR713~HR714	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR715~HR717	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608
HR718~HR719	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR722	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR723	HRFT683JBA	R CHIP	1/10 68K OHM J 1608
HR724	HRFT393JBA	R CHIP	1/10 39K OHM J 1608
HR725	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR726	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR727	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR728~HR732	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR733	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR734	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR735~HR736	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR737	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR738	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR739	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR740	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR741	HRFT182JBA	R CHIP	1/10 1.8K OHM J 1608
HR742	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR743	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR746	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR747	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR748	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR749	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR751	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR752~HR753	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR754	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR755	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR756~HR757	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR758	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR759	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR760	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR761	HRFT106JBA	R CHIP	1/10 10M OHM J 1608
HR762	HRFT334JBA	R CHIP	1/10 330K OHM J 1608
HR763	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR764	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR766	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
HR767	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR768	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
HR769	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR770	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
HR771	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR772	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
HR773	HRFT271JBA	R CHIP	1/10 270 OHM J 1608
HR776	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR778~HR780	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR781	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR782	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR783~HR786	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR787~HR788	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR789	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR790	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR791	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
IC701	1M38199294	IC U-COM	M38199MF-294FP
IC702	1M24C04---	IC MEMORY	M24C04-BN6
IC703	1BA3835F--	IC EQ	BA3835F-E2
IC705	1HK381B-DW	IC PRE AMP	HK381BT-DW
JW301~JW305	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW306	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW307	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW308	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW309	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO

Location	Part Code	Part Name	Description
JW310~JW313	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW314	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW315~JW318	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW319	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW320~JW321	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW323	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW701	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW702~JW707	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW708	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW709	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW710	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW711	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW712	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW713	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW714	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW715	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW716	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW717~JW718	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW719	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW720	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW721	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW722~JW724	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW725~JW728	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW729	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW730~JW731	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW732	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW733	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW734	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW735~JW736	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW737	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW738	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW739~JW741	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW742	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW747	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW748	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW749~JW750	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW751	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW752~JW754	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW755~JW757	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW758~JW760	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW761	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW762~JW764	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW765	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW766	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW767	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW768	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW771	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW772	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW773	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW774~JW775	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW776	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW777~JW778	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW779	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW780~JW781	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW782	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW783	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW784~JW785	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW786	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW788	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW789~JW790	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW791	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW792	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW793	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW794	W581GY12J5	WIRE JUMPER	AWG22 1/0.65 SN 12.5 AUTO
JW795	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW796~JW798	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO
JW799	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
LD701~LD702	DSLR332MC3F	LED	SLR332MC3F(GREEN)PI3
LD703	DLBH4155--	LED	LBH4155(BL) OVAL PI4.3
LD704~LD705	DSLR332MC3F	LED	SLR332MC3F(GREEN)PI3
LD706	DLBH4155--	LED	LBH4155(BL) OVAL PI4.3
LD707~LD708	DSLR332MC3F	LED	SLR332MC3F(GREEN)PI3
LD709	DLBH4155--	LED	LBH4155(BL) OVAL PI4.3
LD710~LD711	DSLR332MC3F	LED	SLR332MC3F(GREEN)PI3
LD712	DLBH4155--	LED	LBH4155(BL) OVAL PI4.3
Q705~Q707	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)
R720	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R721	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R744	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J
R750	RD-4Z229J-	R CARBON FILM	1/4 2.2 OHM J
SW701~SW705	5S50101Z67	SW TACT	SKHV 10920A,5MM
SW712~SW719	5S50101Z67	SW TACT	SKHV 10920A,5MM
SW722~SW725	5S50101Z67	SW TACT	SKHV 10920A,5MM
SW728~SW729	5S50101Z67	SW TACT	SKHV 10920A,5MM

Electrical Parts List

Location	Part Code	Part Name	Description
SW731~SW733	5S50101Z67	SW TACT	SKHV 10920A,5MM
SW735~SW737	5S50101Z67	SW TACT	SKHV 10920A,5MM
VR701	5SH122403-	SW ENCODER	EC12E24204 24P W/DETENT
XC701	5PQZTT80MT	RESONATOR CERA	8 MHz RESONATOR(3PIN)
XC702	5XA32R768C	X-TAL	C38T 32.768KHz 20PPM
10	9CD2505600	GUIDE FLT	ABS

POWER PCB ASS'Y [9CDC065400]

Location	Part Code	Part Name	Description
B901	9CD6580501-03	PCB POWER	108X123X1.6T
CD900	9736900200	CORD AC	KKP419C,KLCE-2F,0.75SQURE
CE980	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20)
CW900	2503-WS-10	WAFER	10P 2.5MM
D980~D985	DIN4001---	DIODE	IN4001
FC982~FC983	9734600700	CLIP FUSE	FC-5N
F981	5FSGB1222R	FUSE GLASS TUBE	VDE N/T 1.25A 250V MF51
IC980	1KIA78L05B	IC REGULATOR	KIA78L05BP
JW980~JW981	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO
JW987	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
JW989	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
PT980	5TP8028829	TRANS POWER	EI=28X12 230V 50HZ
PT981	5TP8074885	TRANS POWER	EI=74X42 230V 50HZ
Q981	TZTC3205Y-	TR	KTC3205Y (KTC2236Y) AUTO
RF980	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO
RF982~RF983	RF01F4780J-32	R FUSIBLE	1W 0.47 OHM J (32Æ)
RY980	5SC2001A01	SW RELAY	SDT-S-105LMR
R980	RN-2Y475J-	R METAL FILM	1/2 4.7M OHM J
R981	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J
R982~R983	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
TP980~TP981	9716404000	PIN WRAPPING	MFZN1.1X1.1 PANASERT

MP3 CD PCB ASS'Y [9CDC063500] : AXG-324/325/326(K) Only

Location	Part-Code	Part Name	Description
B001	9CD6588600	PCB MP3CD	110X110
CE501	CEXF1E330V	C ELECTRO	25V RSS 33MF (5X11) TP
CE502~CE503	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CE504	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE505~CE506	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
CE507	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE508	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CE509~CE510	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE511~CE512	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE514~CE515	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
CE516~CE518	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CE520	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CE524~CE525	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP
CN501	9738840800	CONN AS	FFC 16P P1.0X250MM R
CN504	9728816700	CONN AS	FFC 7P P1.25X120MM R
CN505	9728816800	CONN AS	#24 3P+UL1007 SHIELD 3P 250MM
CW501	9CD6259300	WAFER	52807-1610 SID ENTRY
CW502	2001-WS-06	WAFER	6P 2.0MM
CW503	2001-WS-12	WAFER	12P 2.0MM
CW504	9CD6260300	WAFER	52045-0745 TOP EMTRY
DZ501	DZTZ5R6B--	DIODE ZENER	UZ-5.6B
HC501	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC502	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC503	HCQK409DBA	C CHIP CERA	50V CH 4PF D 1608
HC504	HCBK562KBA	C CHIP CERA	50V X7R 5600PF K 1608
HC505	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC508~HC509	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC510	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC511	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC512	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608
HC513~HC514	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
HC515	HCBK683KBA	C CHIP CERA	50V X7R 0.068MF K 1608
HC516	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC517	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608
HC518	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608
HC519	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC520~HC521	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC522	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
HC523	HCBK682KBA	C CHIP CERA	50V X7R 6800PF K 1608
HC524~HC525	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
HC526	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
HC527	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608
HC530	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC532~HC534	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC535~HC536	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
HC538~HC542	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC543	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608
HC544~HC546	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC547	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
HC548~HC551	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC553~HC554	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC555~HC556	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608
HC557	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC559~HC560	HCBK563KBA	C CHIP CERA	50V X7R 0.056MF K 1608
HC561~HC562	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC565~HC566	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC567~HC568	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HC569	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
HC570	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
HR501	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
HR502	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR503~HR506	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR507	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR508	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR509	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR510	HRFT822JBA	R CHIP	1/10 8.2K OHM J 1608
HR511	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR514	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR515~HR518	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR519	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR523	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR524	HRFT822JBA	R CHIP	1/10 8.2K OHM J 1608
HR525~HR527	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR528~HR529	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR530	HRFT563JBA	R CHIP	1/10 56K OHM J 1608
HR531	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR532	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR533	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR534	HRFT124JBA	R CHIP	1/10 120K OHM J 1608
HR535	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR536	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR537	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR538	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR539	HRFT823JBA	R CHIP	1/10 82K OHM J 1608
HR540	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR541	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR542~HR545	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR546	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR548	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
HR550~HR551	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR552~HR555	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR556~HR557	HRF4150JEA	R CHIP	1/4 15 OHM J 3216
HR558~HR559	HRFT100JBA	R CHIP	1/10 10 OHM J 1608
HR560~HR562	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR563~HR564	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
HR565~HR566	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR567	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
HR568~HR569	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR570	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR571~HR572	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
HR573	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR575	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR576	HRFT121JBA	R CHIP	1/10 120 OHM J 1608
HR577	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR581	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR582~HR587	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
HR588	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR589	HRFT473JBA	R CHIP	1/10 47K OHM J 1608
HR590	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608
HR591~HR594	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR595	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
HR596~HR606	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR609~HR610	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR611	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
HR612~HR613	HRFT223JBA	R CHIP	1/10 22K OHM J 1608
HR614~HR624	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
HR625~HR626	HRF4150JEA	R CHIP	1/4 15 OHM J 3216
HR627~HR637	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
IC501	1S1L9226--	IC SSP	S1L9226
IC502	1S5L9290--	IC DSP	S5L9290
IC503	1BA5939S--	IC MOTOR DRIVE	BA5939S
IC504	1S3C825A--	IC	S3C825A
IC505	1TMD2104--	IC	TMD2104
IC506	1HY57V1616	IC SDRAM	HY57V1616
IC507	1TC74HCT04AF	IC	TC74HCT04AF
IC508~IC511	1LD1117S33	IC REGULATOR	LD117AS33TR 3.3V (TO-223)
L501~L504	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012
Q501	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)
Q502	TZRC107M--	TR	KRC107M (DTC114YS) (KSR1006)
Q503	TZSA1980Y-	TR	2SA1980Y (KTA1266Y) AUTO
Q504	TZTC3205Y-	TR	KTC3205Y (KTC2236Y) AUTO
XC501	5PQZTT1693	RESONATOR CERA	QZTT16.93MMX(3PIN)
XC502	5PQZTA80MT	RESONATOR CERA	8 MHz RESONATOR(2PIN)
XC503	5PQZTT1693	RESONATOR CERA	QZTT16.93MMX(3PIN)

Electrical Parts List

OPTICAL JACK PCB ASS'Y [9CDC050700] : Optional

Location	Part Code	Part Name	Description
B001	9CD6580503	PCB OPTICAL	29X21X1.6T
CC561	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)
CN509	2503-WS-03	WAFER	3P 2.5MM
IC507	1TXOC0805-	IC TX	OC0805-TX
JW581	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO

KARAOKE PCB ASS'Y [9CDC065200] : Optional

Location	Part Code	Part Name	Description
B1000	9CD6589000	PCB KARAOKE	197X139X1.6T
CC304	CFSL1H470J	C CERA	SL 50V 47PF J (FORMING)
CC306	CCFB1H101K	C CERA	HIKB 50V 100PF K (FORMING)
CC301	CCFF1H103Z	C CERA	HIKF 50V 0.01MF Z (FORMING)
CC302	CCFF1H103Z	C CERA	HIKF 50V 0.01MF Z (FORMING)
CC307	CCFB1H471K	C CERA	HIKB 50V 470PF K (FORMING)
CC303	CCFB1H681K	C CERA	HIKB 50V 680PF K (FORMING)
CE305	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP
CE302	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
CE301	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE304	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE363	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE367	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
CE309	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE361	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE362	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE368	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CN301	9728818900	CNOO AS	UL2547 #28 SHIELD 2.5X220MM 8P
D301	DZN4148---	DIODE	IN4148 AUTO 52MM
IC301	1NJM4558D-	IC OP AMP	NJM4558D
IC302	1NJM4558D-	IC OP AMP	NJM4558D
J301	9736323200	JACK H/P	HT J035-13AB GOLD

Location	Part Code	Part Name	Description
R351	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R352	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R363	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R364	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R355	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R357	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R358	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R367	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R370	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R360	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R362	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R365	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R368	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R369	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R354	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R356	RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R382	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R359	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R361	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R366	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R353	RD-AZ104J-	R CARBON FILM	1/6 100 K OHM J
VR301	5V1503728B	VR ROTARY	RK09K1110AV8
Q301	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q302	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
JW302	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW303	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW305	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW309	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO
JW301	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO
JW308	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO

Electrical Parts List [Option Table]

• PCB Option

Model	MAIN & POWER PCB		FRONT PCB	
	12.5W	30W / 50W/65W	12.5W	30W / 50W/65W
322	O	X	O	O
324	X	O	O	O
325	X	O	O	O
326	X	O	O	O

• Model Option

ASSY	Loc.	VALUE	MODEL OPTION
FRONT	R720	JUMPER	D/W CD, A/S, w/LED, w/o MP3
		330	D/W CD, A/S, w/o LED, w/o MP3
		680	D/W CD, A/R, w/LED, w/MP3
		1.2K	D/W CD, A/R, w/LED, w/o MP3
		1.8K	D/W CD, A/S, w/o LED, w/MP3
		2.7K	D/W CD, A/R, w/o LED, w/o MP3
		3.9K	S/S CD, A/S, w/LED, w/o MP3
		6.8K	S/S CD, A/S, w/o LED, w/o MP3
		10K	D/W CD, A/S, w/LED, w/MP3
		15K	S/S CD, A/R, w/LED, w/o MP3
		22K	D/W CD, A/R, w/LED, w/o MP3, Sony Pick-up
		47K	S/S CD, A/R, w/o LED, w/o MP3

Electrical Parts List [Option Table]

• TUNER BAND Option

ASS'Y		PCB FRONT AS								
Loc.		R721								
VALUE		JW	330	1.2K	1.8K	2.7K	3.9K	6.8K	10K	22K
ITEM		AM1	AM2	E/2B	JAPAN	ASIA1/12	ASIA2/24	CIS	S/AM	E2-2
RDS		X	X	X	X	X	X	X	X	O
BAND		FM/AM	FM/AM	FM/MW	FM/AM	FM/AM	FM/AM	FM/FM/MW	FM/AM	FM/MW
HOUR		12	12	24	12	12	24	24	12	24
STEP		100/10	200/10	50/9	100/9	100/9	100/9	10/50/9	100/10	50/9
FM	CH1	87.5MHz	87.5MHz	87.5MHz	76MHz	87.5MHz	87.5MHz	65MHz	87.5MHz	87.5MHz
	CH2	90	90.1	90	80	90	90	67.1	90	90
	CH3	98	98.1	98	92	98	98	69.5	98	98
	CH4	106	106.1	106	104	106	106	72.1	106	106
	CH5	108	108.1	108	108	108	108	74	108	108
	STEP	100KHz	200KHz	50KHz	100KHz	100KHz	100KHz	10KHz	100KHz	50KHz
AM	CH1	530KHz	530KHz	522KHz	522KHz	522KHz	522KHz	87.5MHz	530KHz	522KHz
	CH2	600	600	603	603	603	603	90	600	603
	CH3	1000	1000	999	999	999	999	98	1000	999
	CH4	1400	1400	1404	1404	1404	1404	106	1400	1404
	CH5	1710	1710	1620	1620	1620	1620	108	1620	1620
	STEP	10KHz	10KHz	9KHz	9KHz	9KHz	9KHz	50KHz	10KHz	9KHz
MW	CH1	X	X	X	X	X	X	522KHz	X	X
	CH2	X	X	X	X	X	X	"	X	X
	CH3	X	X	X	X	X	X	"	X	X
	CH4	X	X	X	X	X	X	"	X	X
	CH5	X	X	X	X	X	X	"	X	X
	CH6	X	X	X	X	X	X	9KHz	X	X

• Power Save Mode Option

ASS'Y	LOC	Part Code	Part Name	Description	W/PSM	W/O PSM
	CE980	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20)	O	X
	CW900	2503-WS-10	WAFER	10P 2.5MM	O	X
	CN900	9728804100	CONN AS	#22 10P P2.5 350 BOARD-IN	O	X
	CW900	2503-WS-8	WAFER		X	O
	CN900	9738833900	CONN AS	#22 8P BOARD-IN 350MM	X	O
	D980	DIN4001---	DIODE	IN4001	O	X
	D981	DIN4001---	DIODE	IN4001	O	X
	D982	DIN4001---	DIODE	IN4001	O	X
	D983	DIN4001---	DIODE	IN4001	O	X
	D984	DIN4001---	DIODE	IN4001	O	X
	D985	DIN4001---	DIODE	IN4001	O	X
	HD901	DZDS160---	DIODE SW CHIP	KDS160	O	X
	IC980	1KA78L05AZ	IC	KA78L05AZ	O	X
	JW980	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO	O	X
	JW981	W581GY17J5	WIRE JUMPER	AWG22 1/0.65 SN 17.5 AUTO	O	X
	JW987	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO	O	X
	JW990	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO	X	O
	PT980	5TP8028829	TRANS POWER	EI=28X12 230V 50HZ	O	X
	Q981	TZTC3205Y-	TR	KTC3205Y (2236Y)	O	X
	RF980	W581GY1505	WIRE JUMPER	AWG22 1/0.65 GY 15 AUTO	O	X
	RY980	5SC2001A01	SW RELAY	SDT-S-105LMR	O	X
	R981	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	O	X
	R982	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	O	X
	R983	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	O	X

Electrical Parts List [Option Table]

• FTZ Option

ASS'Y	LOC	PART NAME	FCC & SIMPLE CE		FTZ(FULL CE)		SEMP(NON EMC)	
	CF001	FILTER CERA	5PLT107MS3	LT10.7MS3	5PLT107MS3	LT10.7MS3	5PLT107MS2	LT10.7MS2
	CF002	FILTER CERA	5PLT107MS3	LT10.7MS3	5PLT107MJA	LT10.7MJA10	5PLT107MS2	LT10.7MS2
	HC214	C CHIP CERA	HCBK682KBA	50V X7R 6800PF K 1608	X		HCBK682KBA	50V X7R 6800PF K 1608
	HC215	C CHIP CERA	HCBK682KBA	50V X7R 6800PF K 1608	X		HCBK682KBA	50V X7R 6800PF K 1608
	HC216	C CHIP CERA	X		HCBK822KBA	50V X7R 8200PF K 1608	X	
	HC217	C CHIP CERA	X		HCBK822KBA	50V X7R 8200PF K 1608	X	
	HR003	R CHIP	HRFT470JBA	1/10 47 OHM J 1608	HRFT470JBA	1/10 47 OHM J 1608	HRFT271JBA	1/10 270 OHM J 1608
	HR202	R CHIP	HRFT333JBA	1/10 33K OHM J 1608	HRFT273JBA	1/10 27K OHM J 1608	HRFT183JBA	1/10 18K OHM J 1608
	HR203	R CHIP	HRFT103JBA	1/10 10K OHM J 1608	HRFT103JBA	1/10 10K OHM J 1608	HRFT183JBA	1/10 18K OHM J 1608
	HR212	R CHIP	HRFT000JBA	1/10 1K OHM J 1608	HRFT000JBA	1/10 1K OHM J 1608	HRFT272JBA	1/10 2.7K OHM J 1608
	HR213	R CHIP	HRFT000JBA	1/10 1K OHM J 1608	HRFT000JBA	1/10 1K OHM J 1608	HRFT272JBA	1/10 2.7K OHM J 1608
	HR214	R CHIP	X		HRFT332JBA	1/10 3.3K OHM J 1608	X	
	HR215	R CHIP	X		HRFT332JBA	1/10 3.3K OHM J 1608	X	
	HR219	R CHIP	HRFT223JBA	1/10 22K OHM J 1608	X		HRFT223JBA	1/10 22K OHM J 1608
	HR220	R CHIP	HRFT223JBA	1/10 22K OHM J 1608	X		HRFT223JBA	1/10 22K OHM J 1608
	J001	JACK ANT	9736321900	PAT-645	9736321900	PAT-645	9736322201	PAT-646
	JW204	WIRE JUMPER	W581GY6095	AWG22 6MM	X		W581GY6095	AWG22 6MM
	JW205	WIRE JUMPER	W581GY6095	AWG22 6MM	X		W581GY6095	AWG22 6MM
	JW208	WIRE JUMPER	W581GY6095	AWG22 6MM	W581GY6095	AWG22 6MM	X	
	L201	COIL	X		5P75J207--	75J-207	X	
	L202	COIL	X		5P75J207--	75J-207	X	
	R217	R CARBON FILM	RD-AZ103J-	1/6 10K È¡	W581GY6095	AWG22 6MM	RD-AZ103J-	1/6 10K È¡
	R218	R CARBON FILM	RD-AZ103J-	1/6 10K È¡	W581GY6095	AWG22 6MM	RD-AZ103J-	1/6 10K È¡
	TU001	TUNER PACK	9737613201	KST-F401VA-3	9737613501	KST-F404VA	9737613801	KST-F400VA-3

• RDS Option

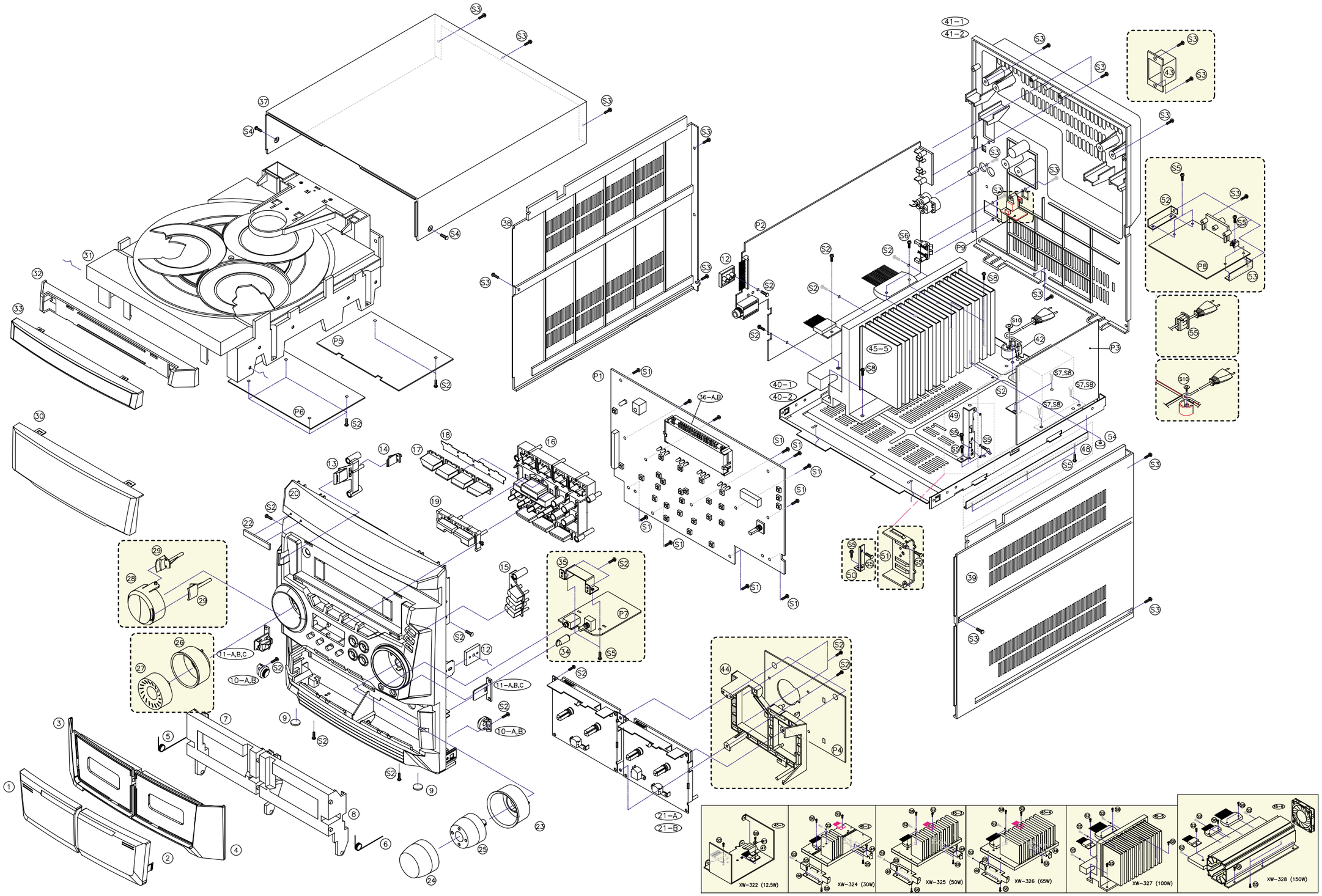
ASS'Y	LOC	PART NAME	NO RDS	RDS	
MAIN	CE270	C-ELEC	X	CEXF1H100V	50V RSS 10MF (5X11) TP
	CE271	C-ELEC	X	CEXF1H100V	50V RSS 10MF (5X11) TP
	HC270	C-CERA	X	HCQK331JBA	50V CH 330PF J 1608
	HC272	C-CERA	X	HCBK103KBA	50V X7R 0.01MF K 1608
	HC276	C-CERA	X	HCQK220JBA	50V CH 22PF J 1608
	HC277	C-CERA	X	HCQK220JBA	50V CH 22PF J 1608
	IC270	IC RDS	X	1LC72723M-	LC72723M
	JW201	WIRE JUMPER	X	W581GY6095	AWG22 6MM
	JW223	WIRE JUMPER	X	W581GY6095	AWG22 6MM
	HR270	R CARBON FILM	X	HRFT100JBA	1/10 10 OHM J 1608
	HR271	R CARBON FILM	X	HRFT103JBA	1/10 10K OHM J 1608
	HR272	R CARBON FILM	X	HRFT103JBA	1/10 10K OHM J 1608
	XC202	X-TAL	X	5XA4R332M-	4.332MHz
FRONT	JW717	WIRE JUMPER	X	W581GY1005	AWG22 1/0.65 SN 10 AUTO
	JW718	WIRE JUMPER	X	W581GY1005	AWG22 1/0.65 SN 10 AUTO

Electrical Parts List [Option Table]

• MODEL Option

ASS'Y	LOC	Part Code	Part Name	Description	324	325	326
	IC802	1STK402030	IC	STK 402-030	O	X	X
		1STK402050	IC	STK 402-050	X	O	X
		1STK402090	IC	STK 402-090	X	X	O
	CE911	CEYF1H332V	C ELECTRO	50V RSS 3300MF	O	O	X
		CEYF1H472V	C ELECTRO	50V RSS 4700MF	X	X	O
	CE912	CEYF1H332V	C ELECTRO	50V RSS 3300MF	O	O	X
		CEYF1H332V	C ELECTRO	50V RSS 4700MF	X	X	O
	PT981	5TP8074890	TRANS POWER	EI=66X45 230V 49HZ	O	X	X
		5TP8074885	TRANS POWER	EI=74X42 230V 50HZ	X	O	X
		5TP8074895	TRANS POWER	EI=74X62 230V 51HZ	X	X	O
	F981	5FSGB6312L	FUSE GLASS TUBE	SEMKO TL 630mA 250V MF51	O	X	X
		5FSGB1222L	FUSE GLASS TUBE	SEMKO TL 1.25A 250V MF51	X	O	X
		?	?	?	X	X	O
	CM805	HCBK273KBA	C CHIP CERA	50V X7R 0.027MF K 1608	X	X	O
	CM806	HCBK273KBA	C CHIP CERA	50V X7R 0.027MF K 1608	X	X	O
	HC813	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF K 1608	X	X	O
	HC814	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF K 1608	X	X	O
	R829	RS01Z228J-	M-OXIDE FILM	1W 0.22 OHM J	X	X	O
	R834	RS01Z228J-	M-OXIDE FILM	1W 0.22 OHM J	X	X	O
	HR830	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	X	X	O
	HR831	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	X	X	O
	HR832	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	X	X	O
	HR833	HRFT273JBA	R CHIP	1/10 27K OHM J 1608	X	X	O
	HR835	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	X	X	O
	HR836	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	X	X	O
	HR837	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	X	X	O
	HR838	HRFT273JBA	R CHIP	1/10 27K OHM J 1608	X	X	O
	HR858	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	X	X	O
	HR859	HRFT273JBA	R CHIP	1/10 27K OHM J 1608	X	X	O
	HR919	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	X	X	O
	HR920	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	X	X	O
	HQ801	TZTC3875S-	TR CHIP	KTC3875S	X	X	O
	HQ802	TZTC3875S-	TR CHIP	KTC3875S	X	X	O
	HQ803	TZRC107S--	TR CHIP	KRC107S	X	X	O
	HQ804	TZTA1504S-	TR CHIP	KTA1504S	X	X	O
	HQ906	TZTC3875S-	TR CHIP	KTC3875S	X	X	O
	HQ907	TZTC3875S-	TR CHIP	KTC3875S	X	X	O
	HD803	DZDS160---	DIODE SW CHIP	KDS160	X	X	O
	HD804	DZDS160---	DIODE SW CHIP	KDS160	X	X	O
	HD807	DZDS160---	DIODE SW CHIP	KDS160	X	X	O
	HD808	DZDS160---	DIODE SW CHIP	KDS160	X	X	O
	HD809	DZDS160---	DIODE SW CHIP	KDS160	X	X	O
	D912	DIN4001---	DIODE	IN4001	X	X	O
	RY901	5SC0201103	SW RELAY	HR-CR323 2C-1P DC12V	X	X	O

Exploded View and Mechanical Parts List



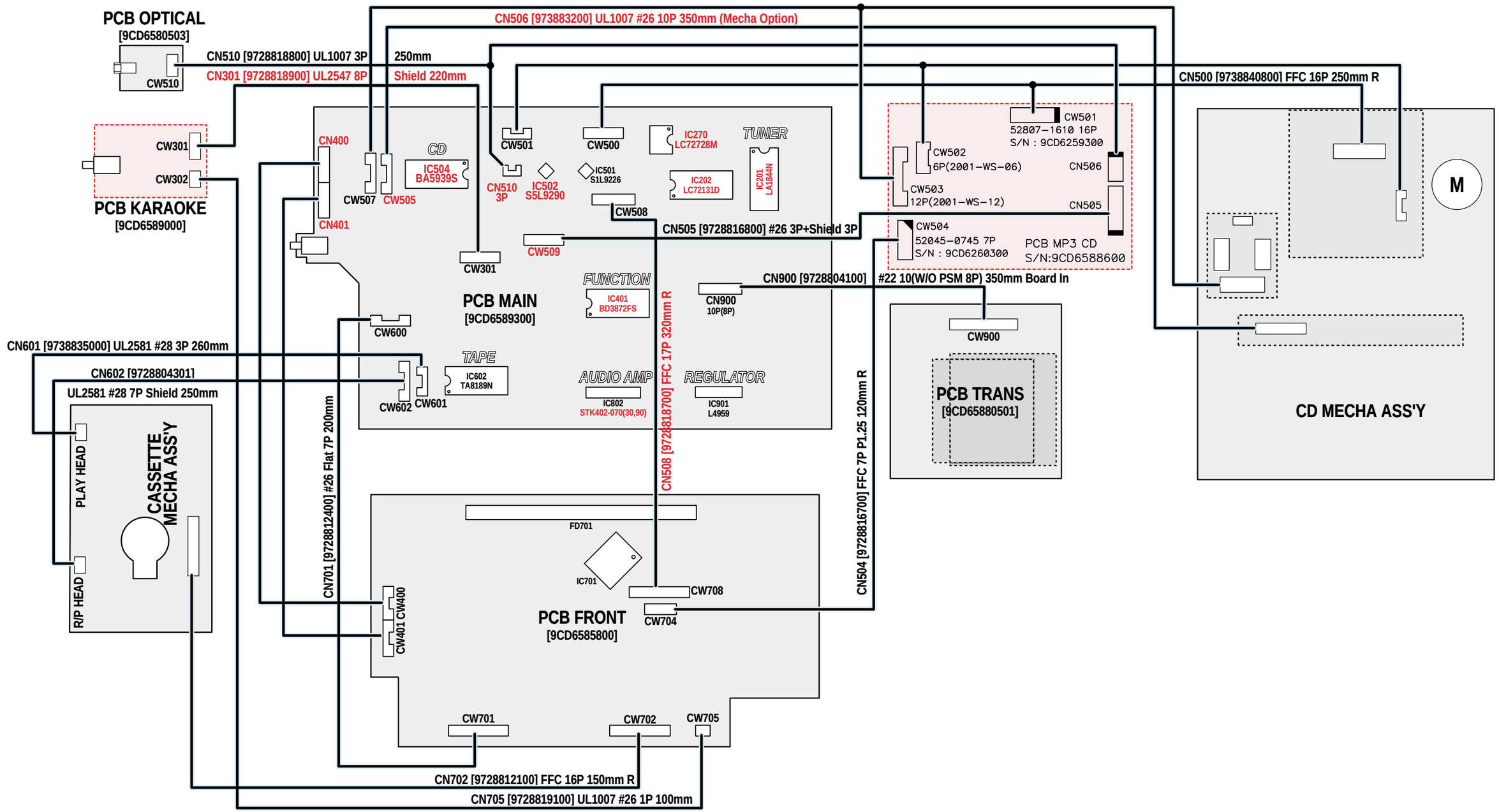
Exploded View and Mechanical Parts List

No.	Part Name	Part Code	Description	Qty	Remark
1	WINDOW DOOR A	9CD16197A0	ACRYL	1	
2	WINDOW DOOR B	9CD16197B0	ACRYL	1	
3	DOOR COVER A	9CD18136A0	MIPS	1	
4	DOOR COVER B	9CD18136B0	MIPS	1	
5	SRING DOOR EJECT L	9CD30080L0	STS 0.9	1	
6	SRING DOOR EJECT R	9CD30080R0	STS 0.9	1	
7	DOOR FRAME A	9CD18113A0	MIPS	1	
8	DOOR FRAME B	9CD18113B0	MIPS	1	
9	CUSHION FOOT	9CD4207700	URETHAN	2	
10-A	DAMPER GEAR B	9CD2603200	ACETAL	2	
10-B	DAMPER BASE B	9CD2603300	ABS	2	
11-A	LOCKER BASE	9CDOB01900	ABS	2	
11-B	LOCKER CAM	9CDOB02000	ABS	2	
11-C	LOCKER SPRING	9CDOB01600	STS	2	
12	BRKT SIDE	9CD2412900	ABS	2	
13	KNOB POWER	9CD1348700	MIPS	1	
14	LENS LED	9CD1619900	ACRYL	1	
15	KNOB CD	9CD1348710	MIPS	1	
16	KNOB CONTROL	9CD1348400	MIPS	1	
17	KNOB FUNCTION	9CD1348600	ACRYL	1	
18	PLATE FILTER	9CD0912800	T0.15	1	option
19	KNOB SET	9CD1348500	MIPS	1	
20	PANEL FRONT	9CD0311100	MIPS	1	
21-A	CASSETTE DECK LOGIC	9CD6010000		1	322
21-B	CASSETTE DECK LOGIC	9CD6010100		1	324/325/327/328
22	BADGE DAEWOO	9CD1500900	ABS	1	
23	DECO VOLUME	9CD3104200	ABS	1	
24	KNOB CAP	9CD1349300	MIPS	1	
25	KNOB VOLUME	9CD1348200	MIPS	1	
26	RING REFLECTOR	9CD3104210	ACRYL	1	
27	KNOB JOG	9CD1348210	MIPS	1	327/328
28	KNOB TUNE	9CD1349400	MIPS	1	322/324/325/326
29	LENS DECO	9CD1620000	ACRYL	2	
30	WINDOW FLT	9CD1619500	ACRYL	1	
31	CD DECK MECHA	9CD6009300		1	
32	DOOR CD	9CD1813700	MIPS	1	
33	WINDOW CD DOOR	9CD1619600	ACRYL	1	
34	KNOB MIC	9CD133200 0	MIPS	1	Option
35	BRACKET MIC PCB	9CD2415500	SECC 1.0T	1	Option
36-A	GUIDE FLT	9CD2506500	ABS	1	322/324/325/326
36-B	GUIDE FLT	9CD2506300	ABS	1	327/328
37	COVER TOP	9CD0411400	MIPS	1	
38	COVER SIDE L	9CD04115L0	MIPS	1	
39	COVER SIDE R	9CD04115R0	MIPS	1	
40-1	CHASSIS BOTTOM	9CD0607500	ABS	1	322
40-2	CHASSIS BOTTOM	9CD0607100	SECC 1.0T	1	324/325/326/327/328
41-1	COVER BACK	9CD0409800	MIPS	1	322/324/325/326
41-2	COVER BACK	9CD0414800	SECC 1.0T	1	327/328
42	HOLDER AC CORD	9CD2303300	ABS	1	324/325/326/327/328
43	COVER ANT	9CD0410400	ABS	1	
44	HOLDER PCB	9CD2304800	MIPS	1	327/328
45-1	HEAT SINK 10	9CD4404500	AL	1	322
45-2	HEAT SINK N30	9CD4406200	AL	1	324
45-3	HEAT SINK N50	9CD4405800	AL	1	325
45-4	HEAT SINK N65	9CD4408200	AL	1	326
45-5	HEAT SINK N100	9CD4406100	AL	1	327
45-6	HEAT SINK N150A	9CD4407900	AL	1	328
46	BRACKET HEAT TR	9CD2414600	SECC 1.0T	2	324/325/326
47	BRACKET HEAT TR	9CD2414600	SUS 0.5T	1	322
48	FRAME BOTTOM	9CD0607800	SECC 1.0T	1	327/328
49	BRKT PCB C	9CD2414500	SECC 1.0T	1	327/328
50	BRKT PCB A	9CD2413100	SECC 1.0T	1	327DP
51	HEAT SINK PW	9CD4404200	AL	1	327/328
52	BRACKET TUNER PCB L	9CD24159L0	SECC 1.0T	1	327/328
53	BRACKET TUNER PCB R	9CD24159R0	SECC 1.0T	1	327/328
54	FOOT RUBBER	9CD0801000	RUBBER	2	327/328
55	STOPPER AC CORD	9CD5700500	66NYLON	1	327/328

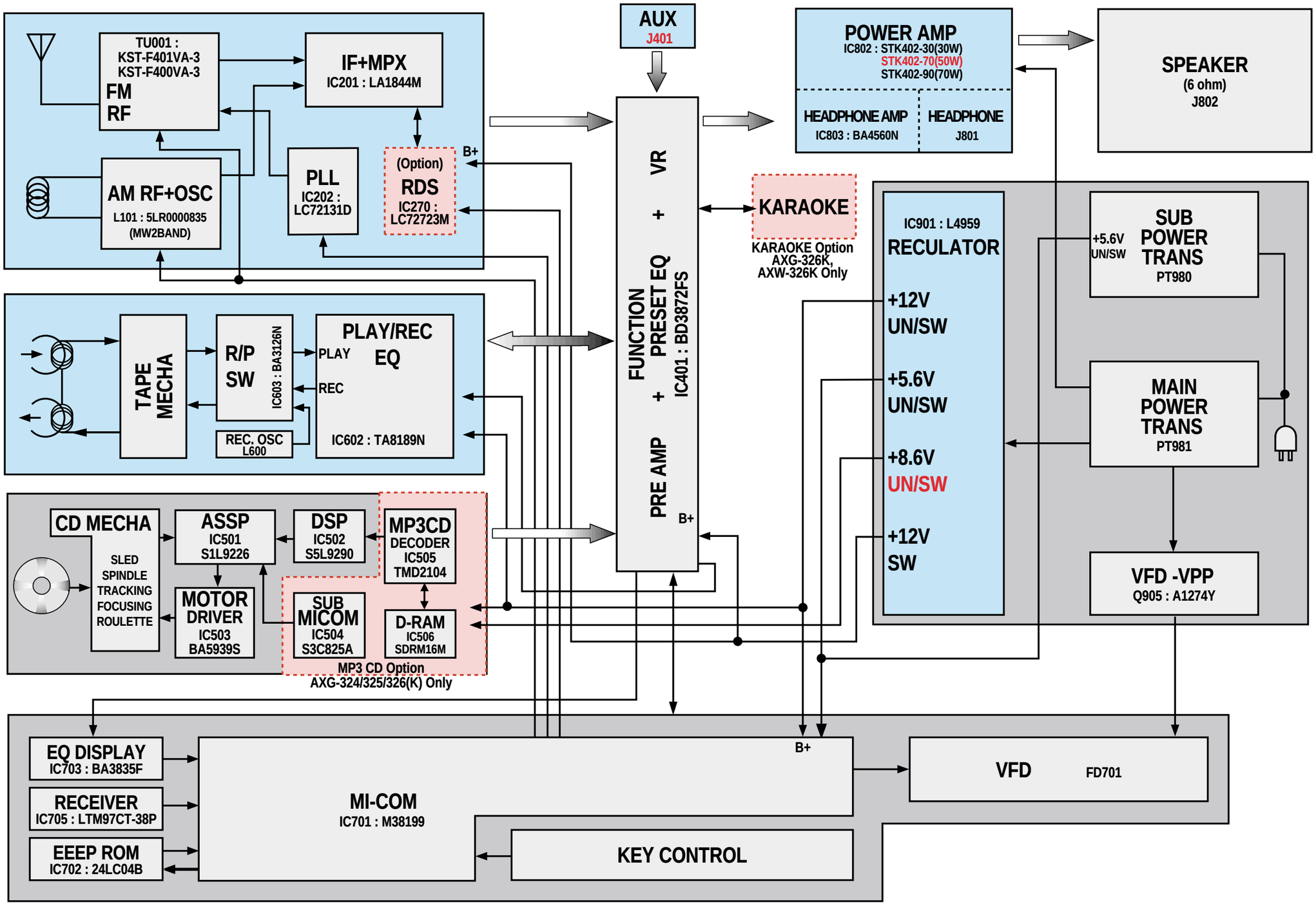
No.	SCREW TYPE	Part Code	Description	Qty					
				322	324	325	326	327	328
S1	SCREW TAPTTITE	7173261011	TT2 BIN 2.6 X 10 MFZN	14	14	14	14	14	14
S2	SCREW TAPTTITE	7173301011	TT2 BIN 3.0X10 MFZN	16	15	15	15	15	15
S3	SCREW TAPTTITE	7173301212	TT2 BIN 3.0X12 BK	21	21	21	21	21	23
S4	SCREW TAPTTITE	7173301612	TT2 BIN 3.0X16 BK	2	2	2	2	2	2
S5	SCREW TAPTTITE	7173300411	TT2 BIN 3.0X6 MFZN	5	8	8	8	12	13
S6	SCREW TAPTTITE	7173301411	TT2 BIN 3.0X14 MFZN	*	4	4	4	4	8
S7	SCREW TAPTTITE	7173400611	TT2 BIN 4.0X6 MFZN	*	4	4	4	4	4
S8	SCREW TAPTTITE	7173401011	TT2 BIN 4.0X10 MFZN	4	*	*	*	4	*
S9	WASHER SCREW	9CD3102401	TT2 BIN 3.0X8 + D12	1	*	*	*	*	*
S10	WASHER SCREW	9CD3102400	TT2 BIN 3.0X10 + D14	1	1	1	1	*	*
W1	WASHER PLAIN			1	*	*	*	*	*

No.	Part Name	Qty	Remark
P2	PCB MAIN	1	
P3	PCB POWER	1	
P4	PCB TAPE	1	327/328
P5	PCB CD	1	327/328
P6	PCB MP3	1	option
P7	PCB MIC	1	324/325/326/327/328
P8	PCB TUNER	1	328
P9	PCB JACK(Optcal)	1	option

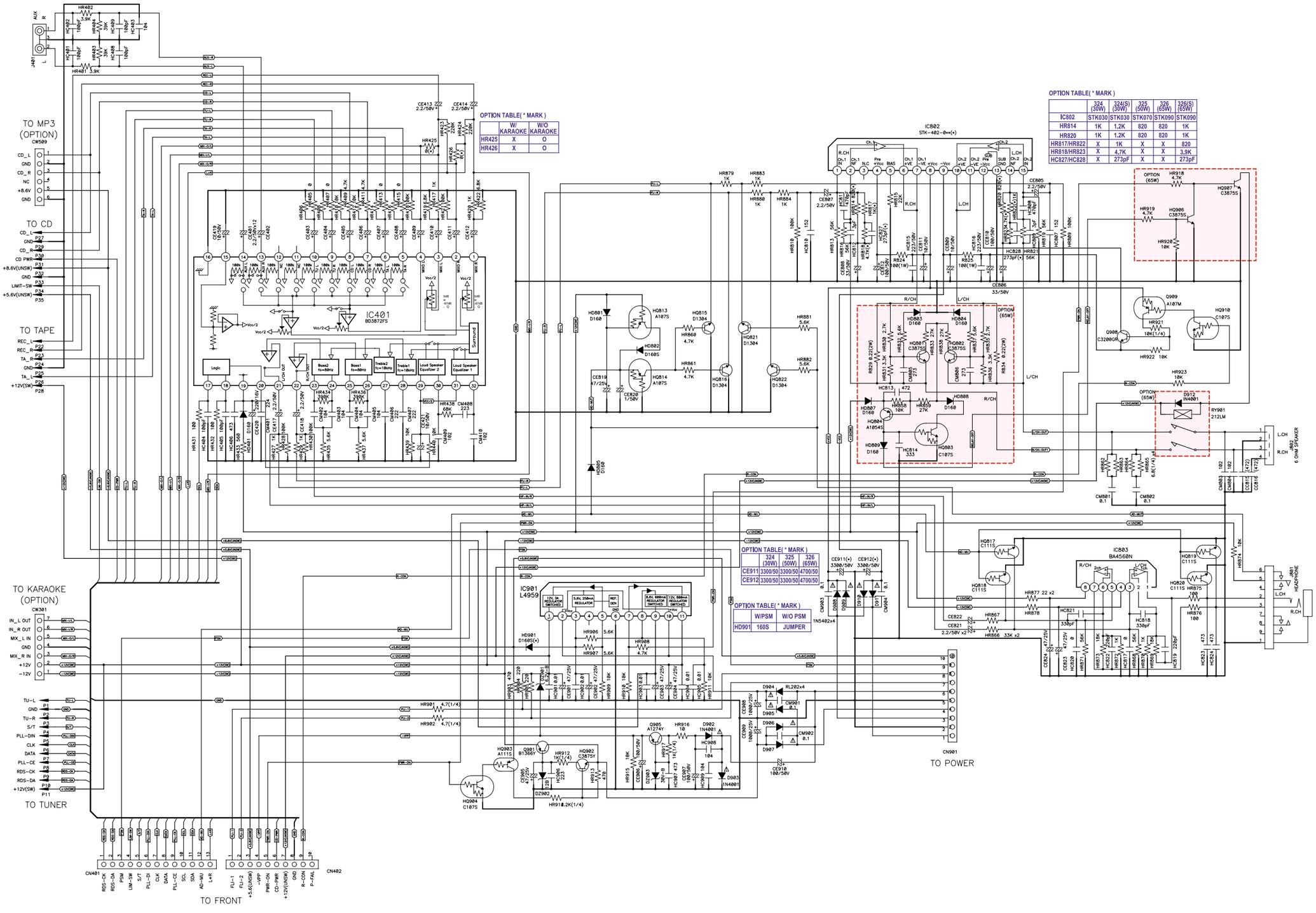
Wiring Diagram



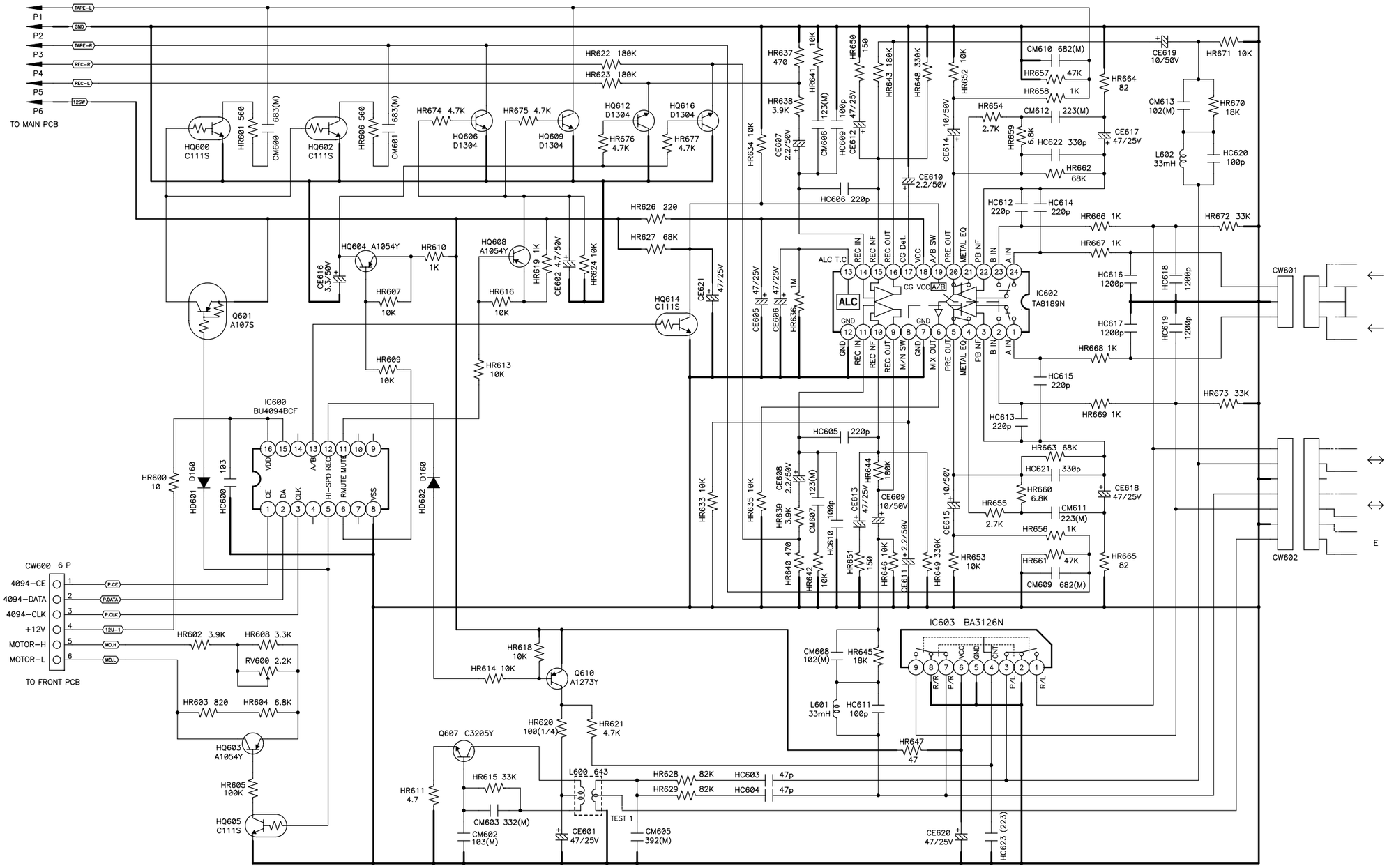
Block Diagram



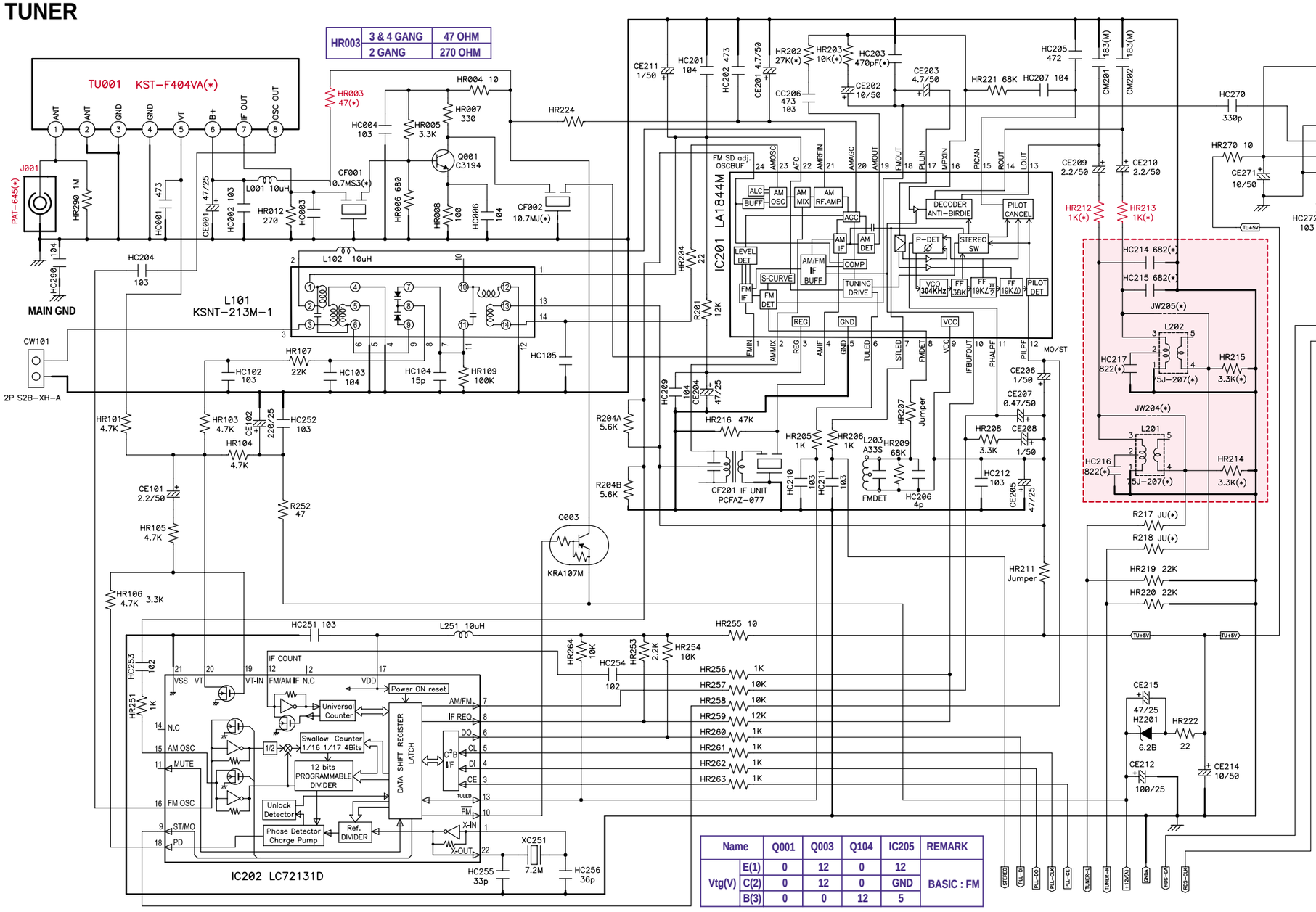
● MAIN


TO MP3 (OPTION)
CW509
CD_L
GND
CD_R
NC
+8.6V
GND
TO CD
CD_L
GND
CD_R
CD PWR
+8.6V(UNSW)
GND
LIMIT-SW
+5.6V(UNSW)
TO TAPE
REC_L
REC_R
TA_L
GND
TA_L
+12V(SW)
IC401
BD3872FS
Logic
Surround
Bass2 fc=50Hz
Bass1 fc=80Hz
Treble2 fc=10kHz
Treble1 fc=18kHz
Loud Speaker Equalizer 2
Loud Speaker Equalizer 1
TO KARAOKE (OPTION)
CW301
IN_L OUT
IN_R OUT
MIX_L IN
GND
MIX_R IN
+12V
-12V
TU-L
GND
TU-R
S/T
PLL-DIN
CLK
DATA
PLL-CE
RDS-CK
RDS-DA
+12V(SW)
TO TUNER
CN401
CN402
TO FRONT
IC901
L4959
IC802
STK-402-0**(*)
IC803
BA4560N
CN901
TO POWER
OPTION TABLE(* MARK)
W/ KARAOKE
W/O KARAOKE
HR425
HR426
OPTION TABLE(* MARK)
324 (30W)
324(S) (30W)
325 (50W)
326 (65W)
326(S) (65W)
IC802
HR814
HR820
HR817/HR822
HR818/HR823
HC827/HC828
OPTION TABLE(* MARK)
324 (30W)
325 (50W)
326 (65W)
CE911
CE912
OPTION TABLE(* MARK)
W/PSM
W/O PSM
160S
JUMPER
HD901
1N5402x4

● TAPE


P1 TAPE-L
P2 GND
P3 TAPE-R
P4 REC-R
P5 REC-L
P6 12SW
TO MAIN PCB
HQ600 C111S
HQ602 C111S
HQ606 D1304
HQ609 D1304
HQ612 D1304
HQ616 D1304
HQ604 A1054Y
HQ608 A1054Y
HQ614 C111S
Q601 A107S
IC600 BU4094BCF
VDD A/B REC MUTE VSS CE DA CLK HI-SPD RMUTE
HD601 D160
HD602 D160
CW600 6 P
4094-CE
4094-DATA
4094-CLK
+12V
MOTOR-H
MOTOR-L
TO FRONT PCB
IC602 TA8189N
ALC T.C
REC IN REC NF REC OUT CG Det. VCC A/B SW PRE OUT METAL EQ PB NF B IN A IN
GND REC IN REC NF REC OUT M/N SW GND MIX OUT PRE OUT METAL EQ PB NF B IN A IN
IC603 BA3126N
VCC GND CNT R/R P/R P/L R/L
CW601
CW602
L600 643
L601 33mH
L602 33mH
TEST 1
Q607 C3205Y
Q610 A1273Y

● TUNER



HR003	3 & 4 GANG	47 OHM
	2 GANG	270 OHM

OPTION TABLE(* MARK)

	CF001	CF002	HC203	HC214	HC215	HC216	HC217
FTZ	MS3	MJ	470pF	X	X	O	O
CE	MS3	MS3	1000pF	O	O	X	X
S-AM	MS2	MS2	1000pF	O	O	X	X

	HR003	HR214	HR215	HR219	HR220	JW204	JW205
FTZ	47	O	O	X	X	X	X
CE	47	X	X	O	O	O	O
S-AM	270	X	X	O	O	O	O

	L201	L202	R217	R218	TU001	JW208
FTZ	O	O	JW	JW	9737613501:4-Gang	O
CE	X	X	10K	10K	9737613201:3-Gang	O
S-AM	X	X	10K	10K	9737613801:2-Gang	X

	HR202	HR203	HR212	HR213	J001
FTZ	27K	10K	1K	1K	9736321900
CE	33K	10K	1K	1K	9736321900
S-AM	18K	18K	2.7K	2.7K	9736322201

Name		Q001	Q003	Q104	IC205	REMARK
Vtg(V)	E(1)	0	12	0	12	BASIC : FM
	C(2)	0	12	0	GND	
	B(3)	0	0	12	5	

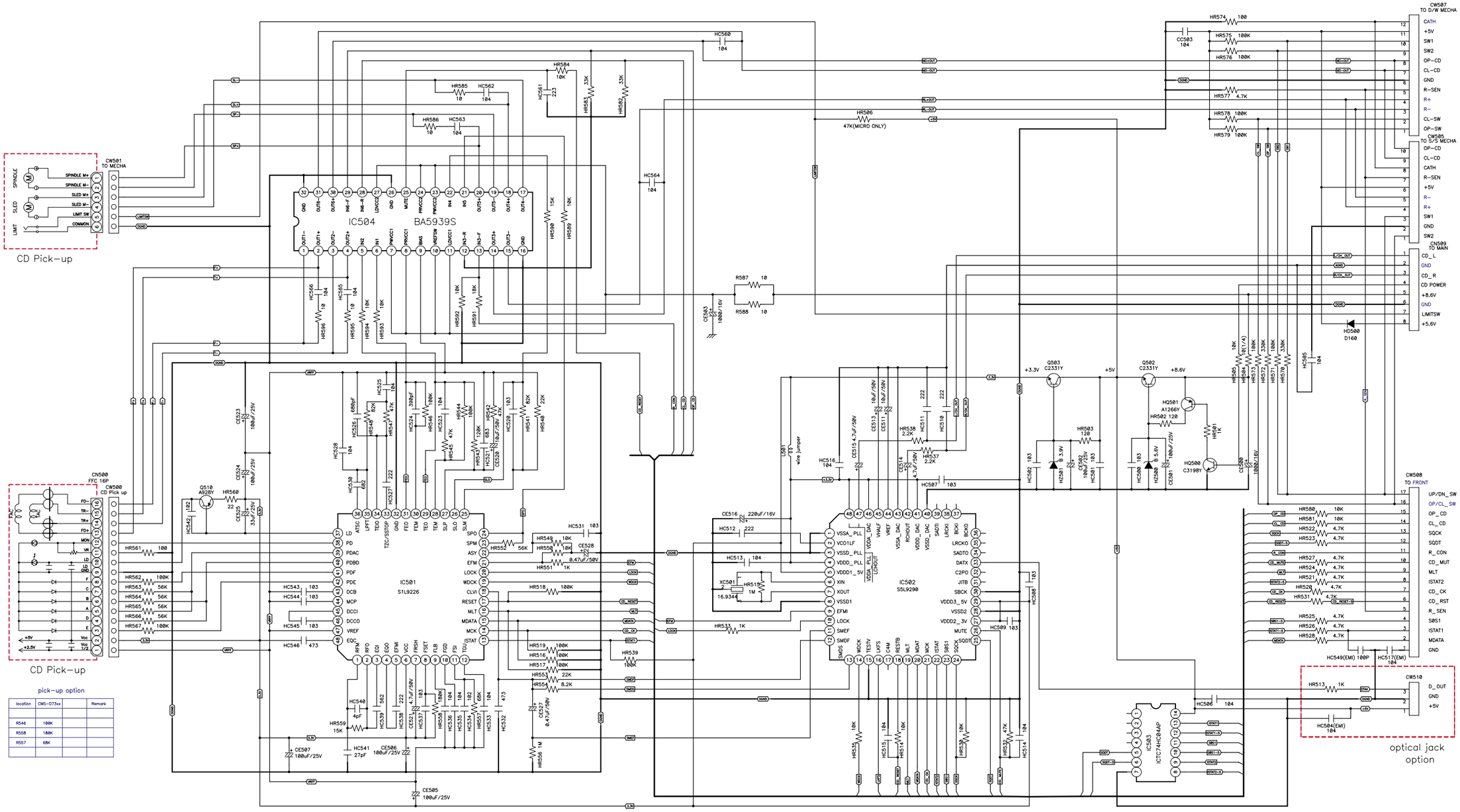
IC201	Pin No.	1	2	3	4	5	6	7	8	9	10	11	12
	Vtg(V)	2.1	4.8	2.1	2.1	GND	#1	#2	4.8	4.8	#3	#4	#5
	Pin No.	13	14	15	16	17	18	19	20	21	22	23	24
	Vtg(V)	3.2	3.2	2.1	2.1	2.1	4.5	#6	#7	#8	#9	4.8	3.5

#1 : SD ON(0V) OTHERWISE(5V)
#2 : STEREO(0V) MONO(5V)
#3 : NORMAL(V=< 0.5V) MUTE(1.4V=<V=<2.2V) SEEK(V>=3.5V)
#4 : FM(4V), AM(2.6V)
#5 : FM(4.1V), AM(3.0V)
#6 : FM(0V), AM(1.3V)
#7 : FM(3.6V), AM(1.0V)
#8 : FM(0.6V), AM(2.3V)
#9 : FM(?V), AM(?V)

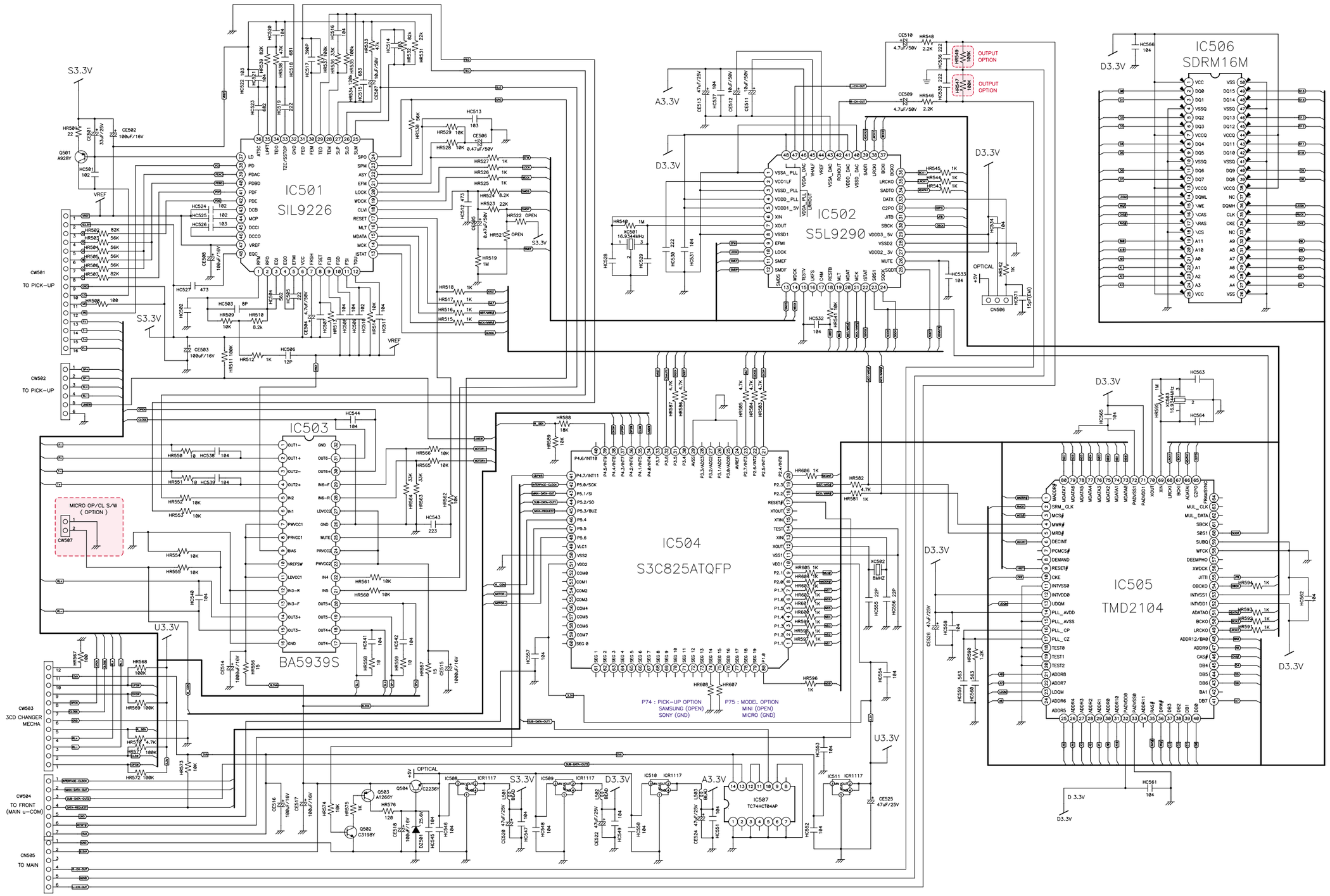
Name	Pin No.	1	2	3	4	5	6	7	8	9	10	11
IC202	Vtg(V)	2.5	N.C	0	0	0	VCC	#1	#2	#3	#4	N.C
	Pin No.	12	13	14	15	16	17	18	19	20	21	22
	Vtg(V)	#5	?	N.C	#6	#7	VCC	1.1	1.1	#8	GND	2.5

#1 : FM(3.7), AM(0)
#3 : FM(3.7), AM(0)
#5 : TUNING ON(VCC) TUNING OFF(0V)
#7 : FM(2.4V), AM(0V)
#2 : TUNING ON(VCC) TUNING OFF(0V)
#4 : FM(0), AM(12)
#6 : FM(0V), AM(2.4V)
#8 : VT

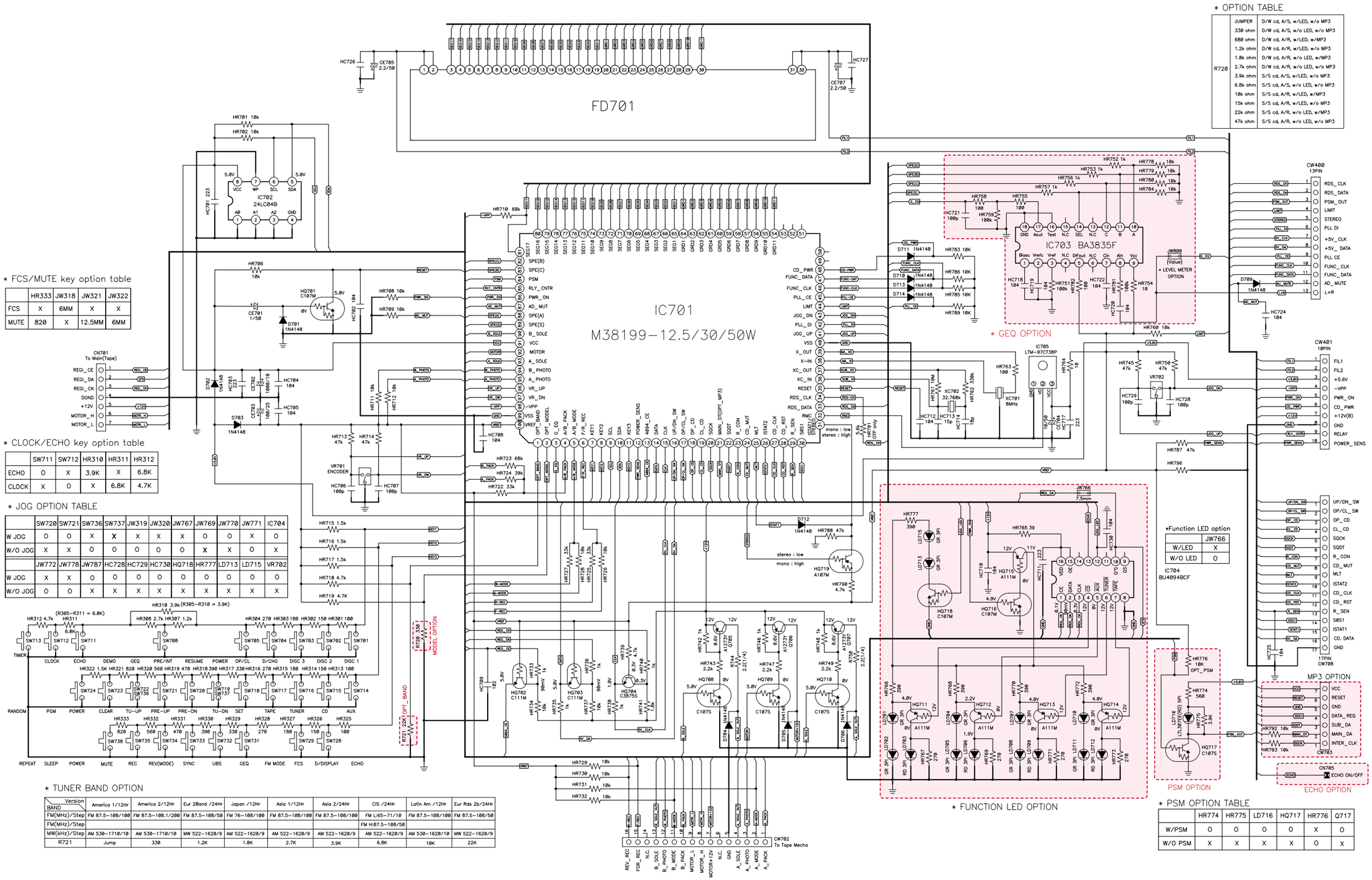
● CD


CW501 TO MECHA
SPINDLE M+
SPINDLE M-
SLED M+
SLED M-
LIMIT SW
COMMON
CD Pick-up
IC504
BA5939S
IC501
S1L9226
IC502
S5L9290
CW507 TO D/W MECHA
CATH
+5V
SW1
SW2
OP-CD
CL-CD
GND
R-SEN
R+
R-
CL-SW
OP-SW
CW506 TO S/S MECHA
CN509 TO MAIN
CD_L
GND
CD_R
CD POWER
+8.6V
GND
LIMITSW
+5.6V
HD500 D160
CN500 FFC 16P
CW500 CD Pick up
Q510 A928Y
Q501 A1266Y
Q502 C2331Y
Q503 C2331Y
HQ500 C3198Y
CW508 TO FRONT
UP/DN_SW
OP/CL_SW
OP_CD
CL_CD
SQCK
SQDT
R_CON
CD_MUT
MLT
ISTAT2
CD_CK
CD_RST
R_SEN
SBS1
ISTAT1
MDATA
GND
CW510
D_OUT
GND
+5V
optical jack option
IC503 TC74HC04AP
pick-up option
location | CMS-073xx | | Remark
R546 | 100K
R558 | 180K
R557 | 68K

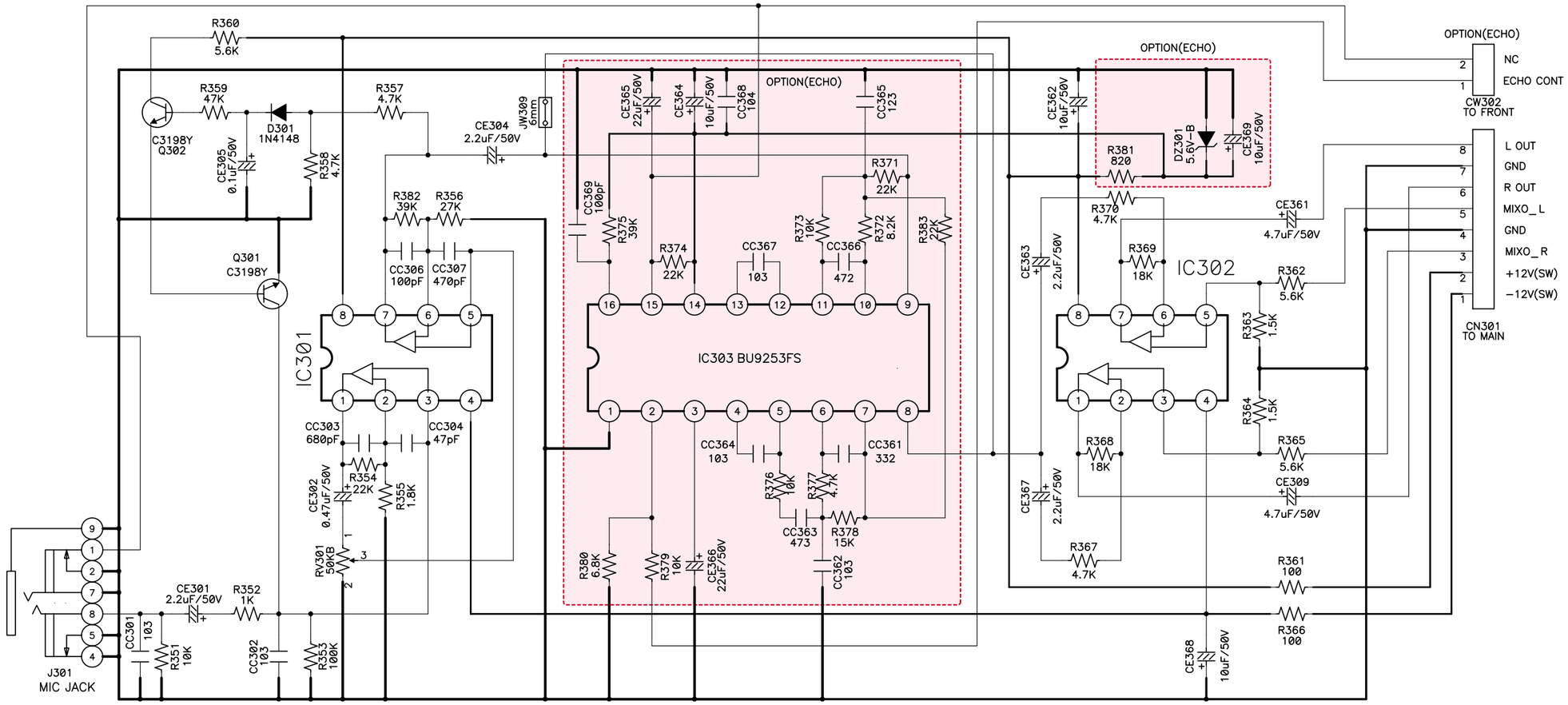
● MP3 CD [XG-324/325/326(K) Only]



● FRONT


FD701
IC701
M38199-12.5/30/50W
IC703 BA3835F
IC702 24LC04B
IC705 LTM-97CT38P
IC704 BU4094BCF
CW400 13PIN
CW401 10PIN
CW702 To Tape Mecha
CW703 MP3 OPTION
CN701 To Main(Tape)
CN705 ECHO ON/OFF
* OPTION TABLE
R720
JUMPER D/W cd, A/S, w/LED, w/o MP3
330 ohm D/W cd, A/S, w/o LED, w/o MP3
680 ohm D/W cd, A/R, w/LED, w/MP3
1.2k ohm D/W cd, A/R, w/LED, w/o MP3
1.8k ohm D/W cd, A/R, w/o LED, w/MP3
2.7k ohm D/W cd, A/R, w/o LED, w/o MP3
3.9k ohm S/S cd, A/S, w/LED, w/o MP3
6.8k ohm S/S cd, A/S, w/o LED, w/o MP3
10k ohm S/S cd, A/R, w/LED, w/MP3
15k ohm S/S cd, A/R, w/LED, w/o MP3
22k ohm S/S cd, A/R, w/o LED, w/MP3
47k ohm S/S cd, A/R, w/o LED, w/o MP3
* FCS/MUTE key option table
FCS: HR333 X, JW318 6MM, JW321 X, JW322 X
MUTE: HR333 820, JW318 X, JW321 12.5MM, JW322 6MM
* CLOCK/ECHO key option table
ECHO: SW711 O, SW712 X, HR310 3.9K, HR311 X, HR312 6.8K
CLOCK: SW711 X, SW712 O, HR310 X, HR311 6.8K, HR312 4.7K
* JOG OPTION TABLE
W JOG: JW720 O, JW721 O, JW736 X, JW737 X, JW319 X, JW320 X, JW767 X, JW769 O, JW770 O, JW771 X, IC704 O
W/O JOG: JW720 X, JW721 X, JW736 O, JW737 O, JW319 O, JW320 X, JW767 O, JW769 X, JW770 X, JW771 X, IC704 O
W JOG: JW772 X, JW778 JW787 O, HC728 O, HC729 O, HC730 O, HQ718 O, HR777 O, LD713 O, LD715 O, VR702 O
W/O JOG: JW772 O, JW778 JW787 X, HC728 X, HC729 X, HC730 X, HQ718 X, HR777 X, LD713 X, LD715 X, VR702 X
* TUNER BAND OPTION
Version / BAND | America 1/12Hr | America 2/12Hr | Eur 2Band /24Hr | Japan /12Hr | Asia 1/12Hr | Asia 2/24Hr | CIS /24Hr | Latin Am /12Hr | Eur Rds 2b/24Hr
FM(MHz)/Step | FM 87.5-108/100 | FM 87.5-108.1/200 | FM 87.5-108/50 | FM 76-108/100 | FM 87.5-108/100 | FM 87.5-108/100 | FM L:65-71/10 FM H:87.5-108/50 | FM 87.5-108/100 | FM 87.5-108/50
FM(MHz)/Step
MW(kHz)/Step | AM 530-1710/10 | AM 530-1710/10 | MW 522-1620/9 | AM 522-1620/9 | AM 522-1620/9 | AM 522-1620/9 | AM 522-1620/9 | AM 530-1620/10 | MW 522-1620/9
R721 | Jump | 330 | 1.2K | 1.8K | 2.7K | 3.9K | 6.8K | 10K | 22K
* LEVEL METER OPTION
* GEQ OPTION
* FUNCTION LED OPTION
*Function LED option
W/LED JW766 X
W/O LED JW766 O
* PSM OPTION TABLE
W/PSM: HR774 O, HR775 O, LD716 O, HQ717 O, HR776 X, Q717 O
W/O PSM: HR774 X, HR775 X, LD716 X, HQ717 X, HR776 O, Q717 X
PSM OPTION
ECHO OPTION
MODEL OPTION
OPT_BAND

● KARAOKE [AXG-326K/AXW-326K Only]



● POWER

* FUSE TABLE

	F980(110/127V)	F981(220/230/240)
XW(G)-324	AC 250V T 1.6A	AC250V T 800mA
XW(G)-325	AC 250V T 2.5A	AC250V T 1.25A
XW(G)-326	AC 250V T 3.15A	AC250V T 1.6A

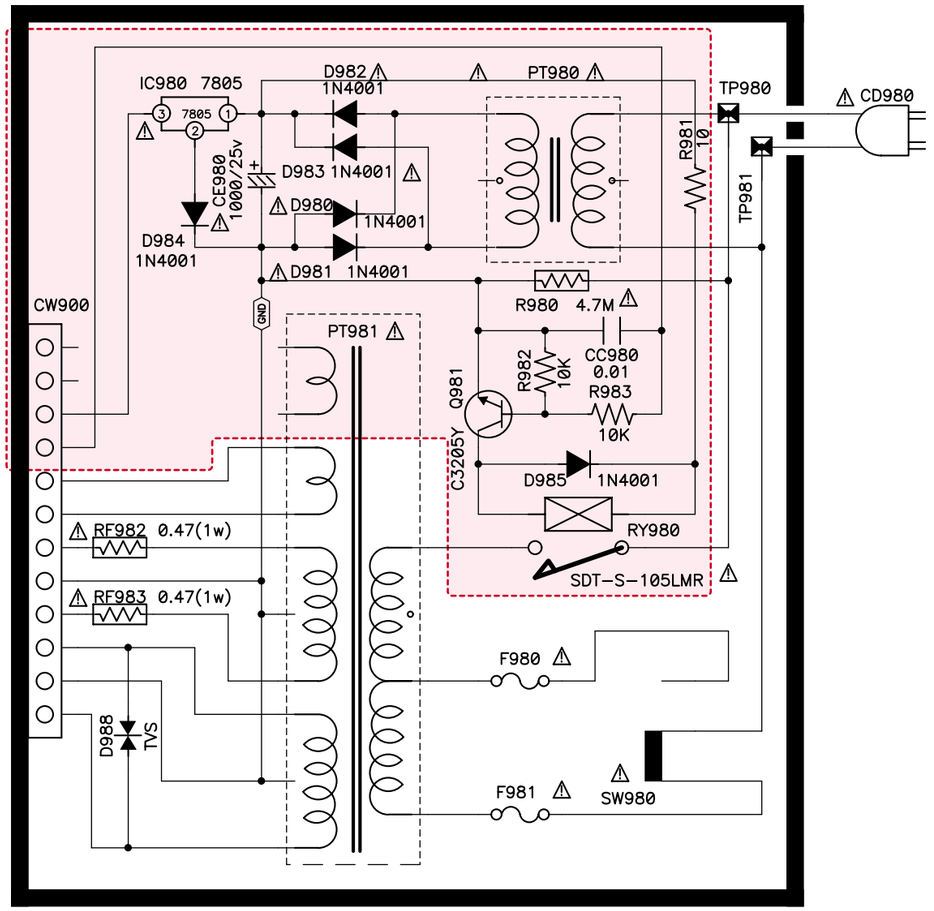
* TRANSFORMER TABLE

	230V	127/220V	127V	240V	127/240V
XW(G)-324	66890	66891	66892	66893	66894
XW(G)-325	74885	74886	74887	74888	74889
XW(G)-326	74895	74896	74897	74898	74899

* TVS DIODE TABLE

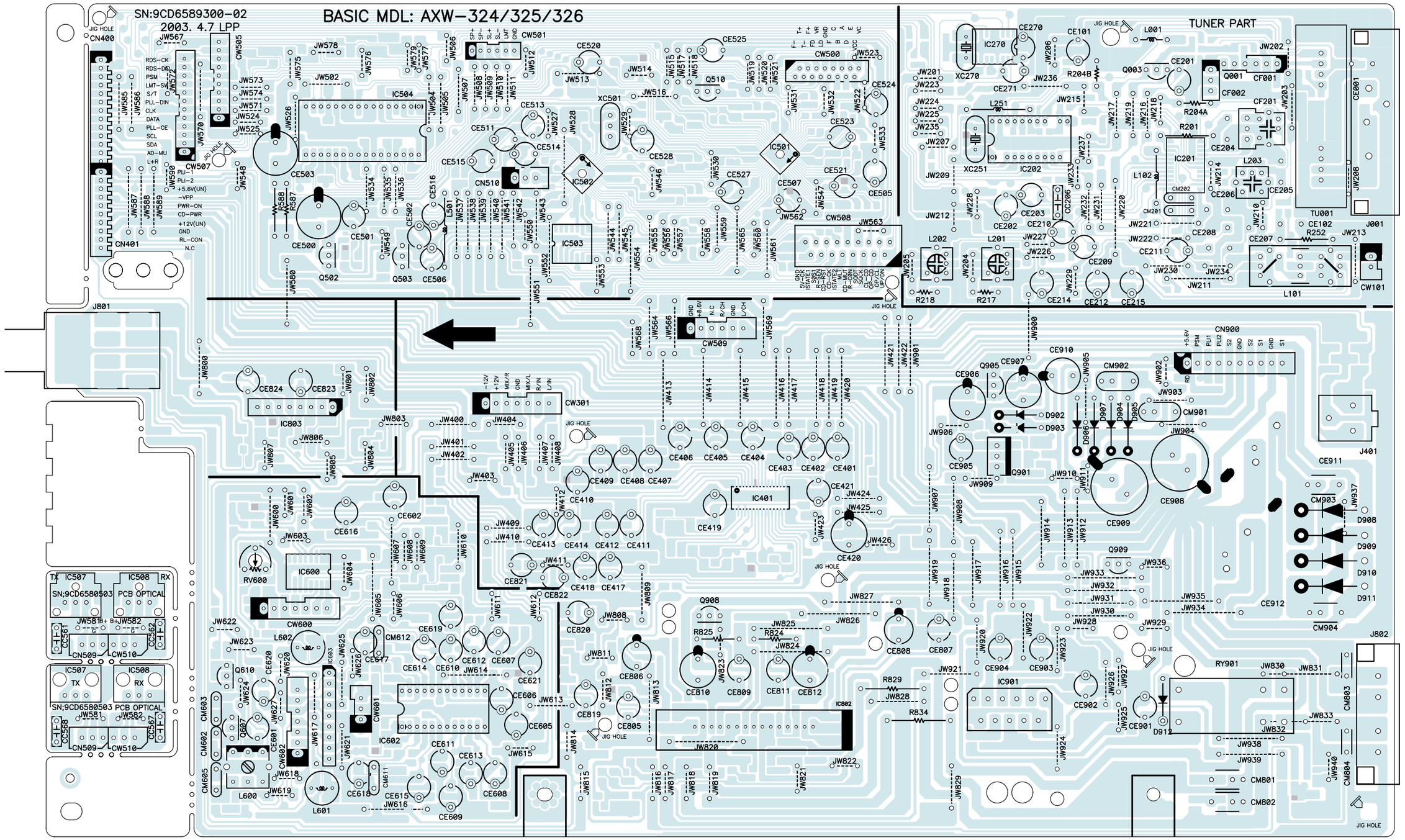
	230V	127/220V	127V	240V	127/240V
XW(G)-324	X	1.5KE?????	X	X	X
XW(G)-325	X	1.5KE?????	X	X	X
XW(G)-326	X	1.5KE?????	X	X	X

POWER SAVE MODE OPTION



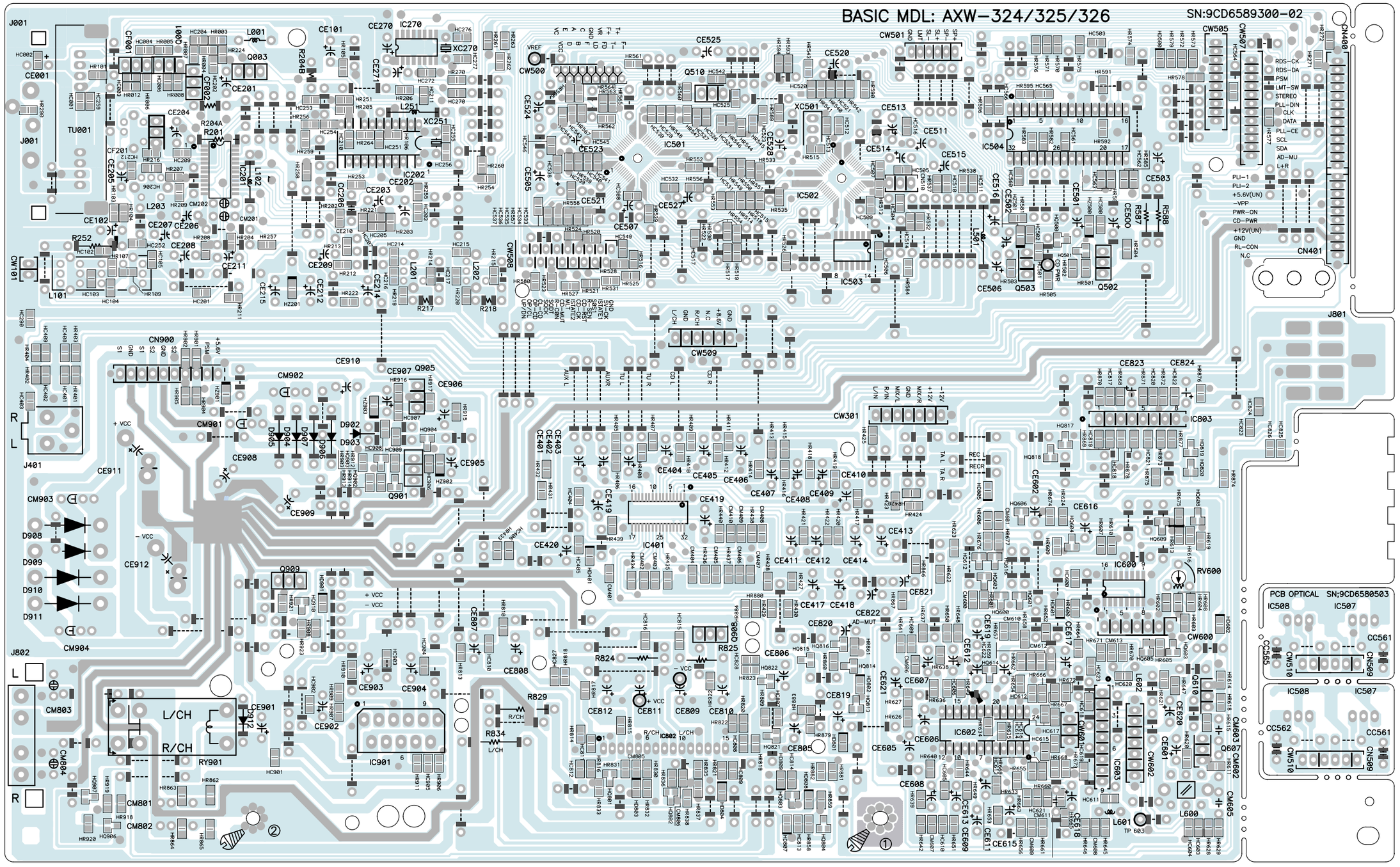
P.C.B Pattern Layout

● MAIN [Top View]



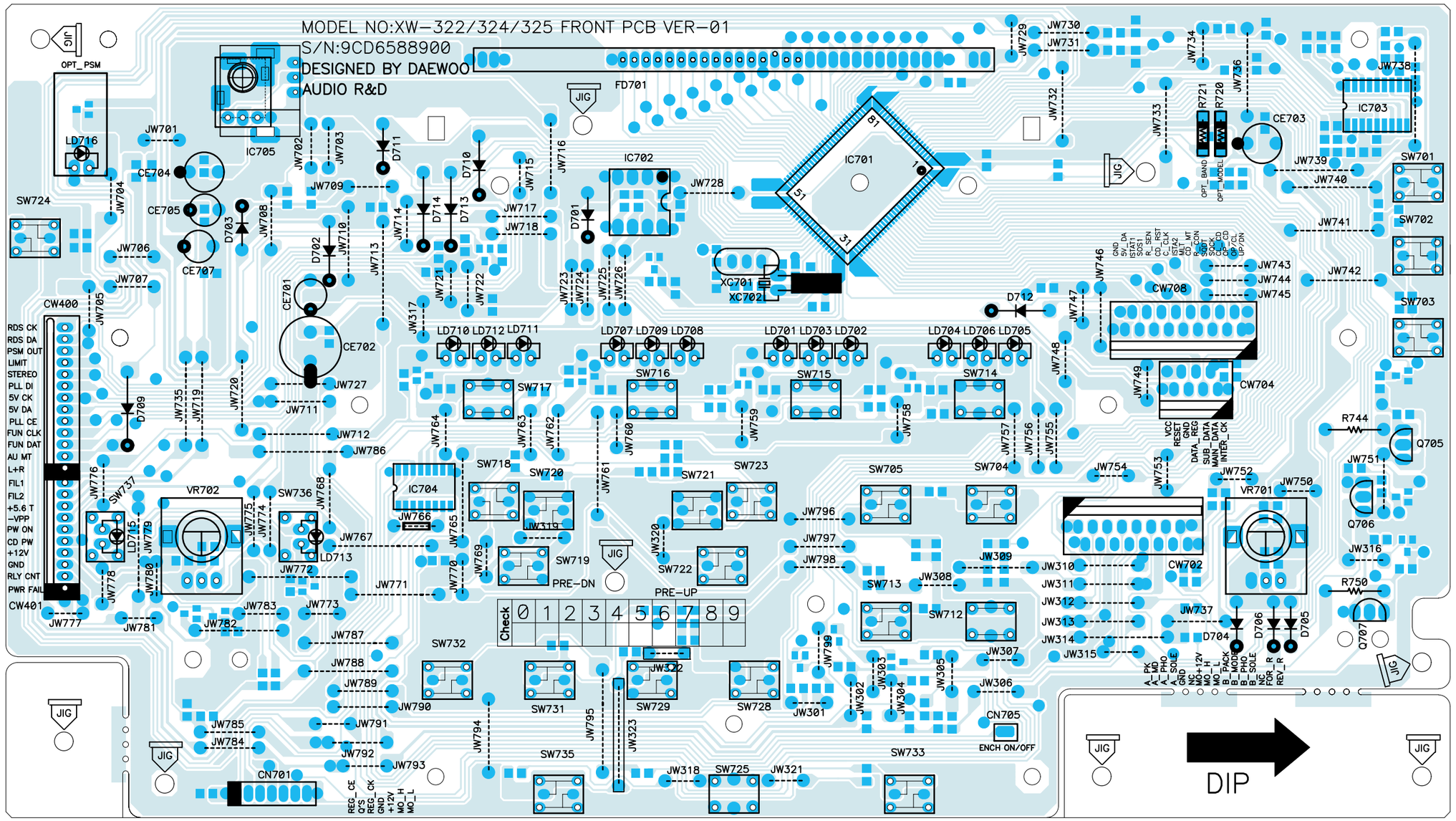
P.C.B Pattern Layout

● MAIN [Bottom View]



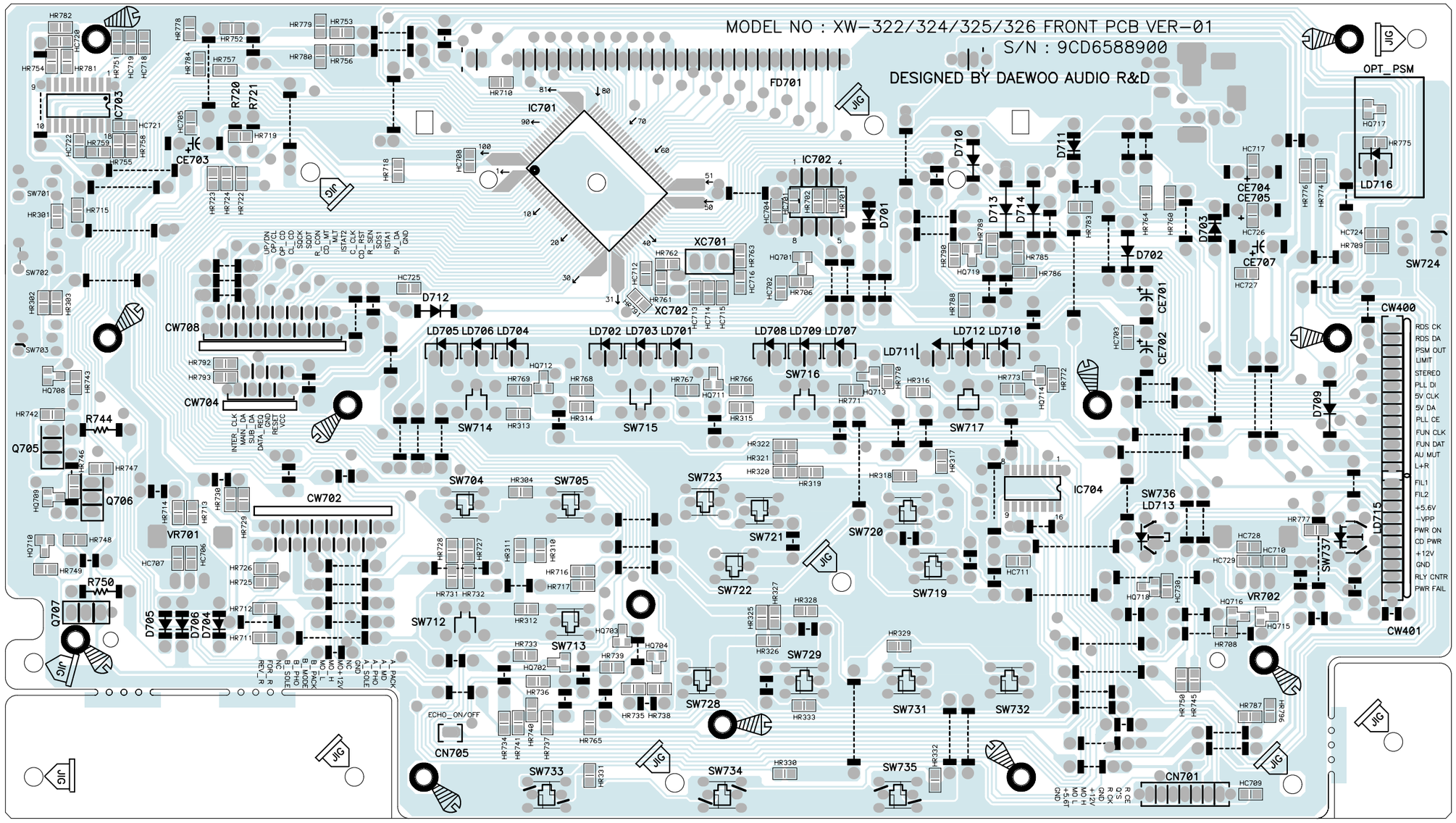
P.C.B Pattern Layout

● FRONT [Top View]



P.C.B Pattern Layout

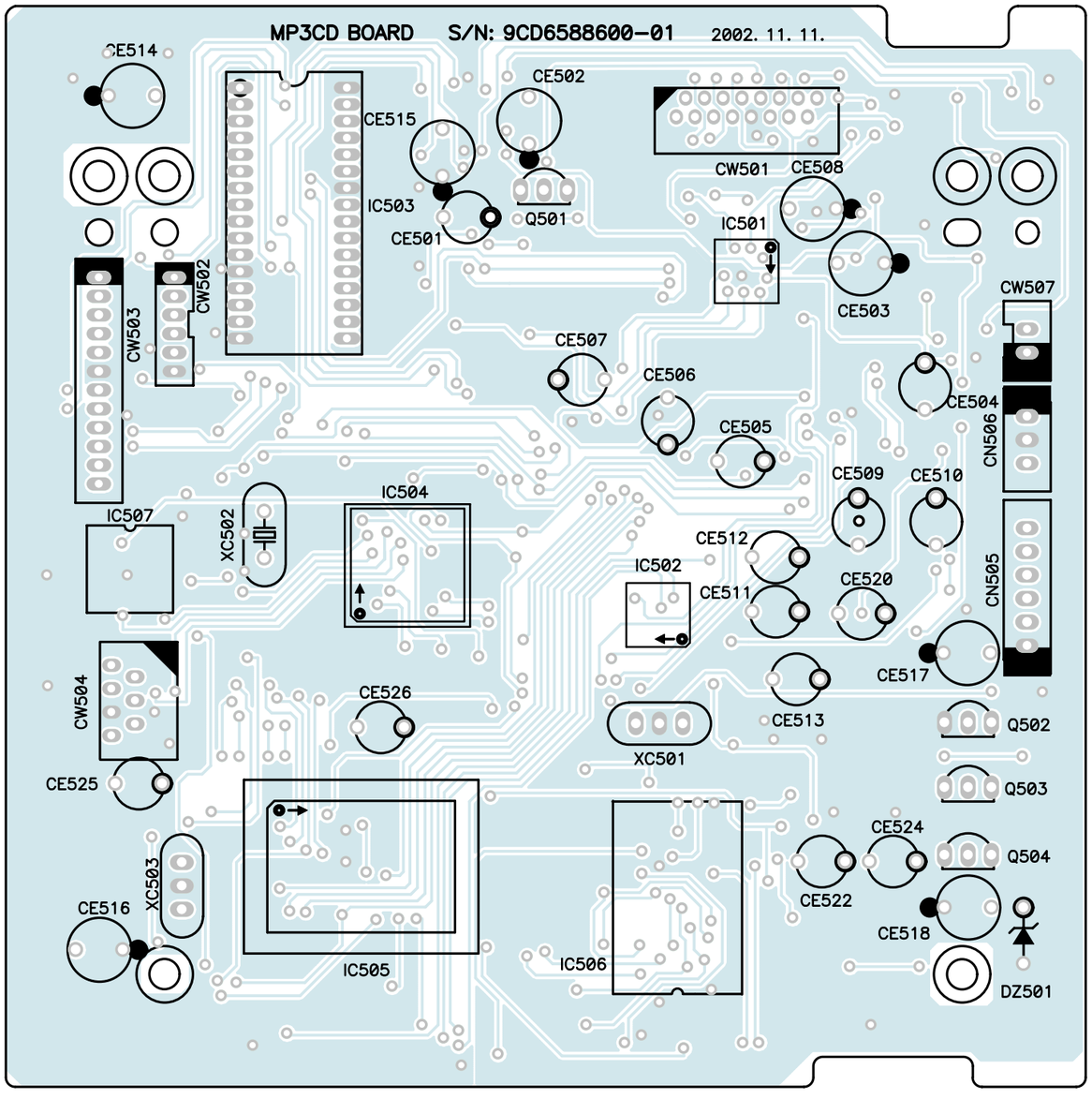
● FRONT [Bottom View]



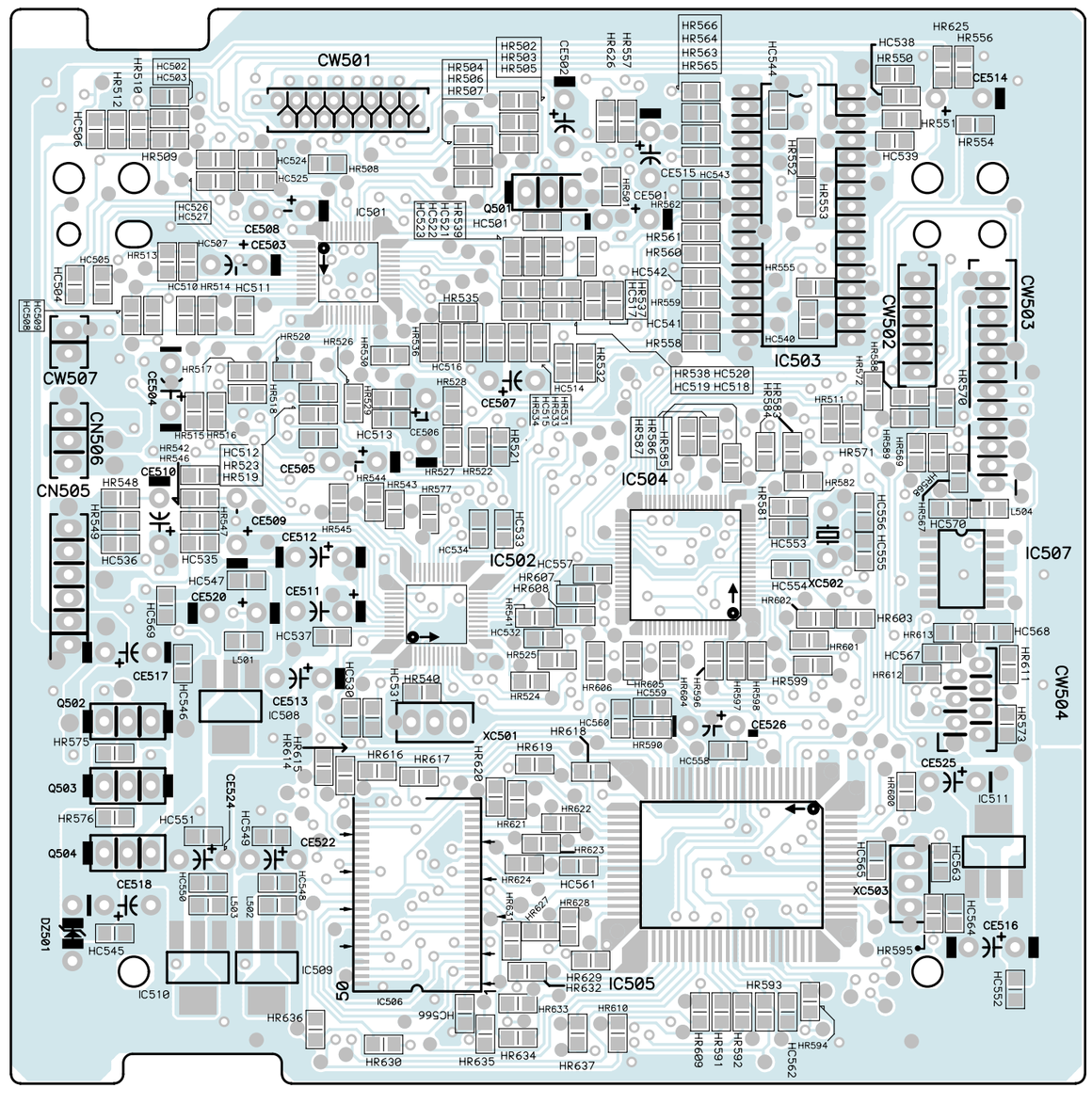
P.C.B Pattern Layout

● **MP3 CD [AXG-324/325/326(K) Only]**

<TOP VIEW>

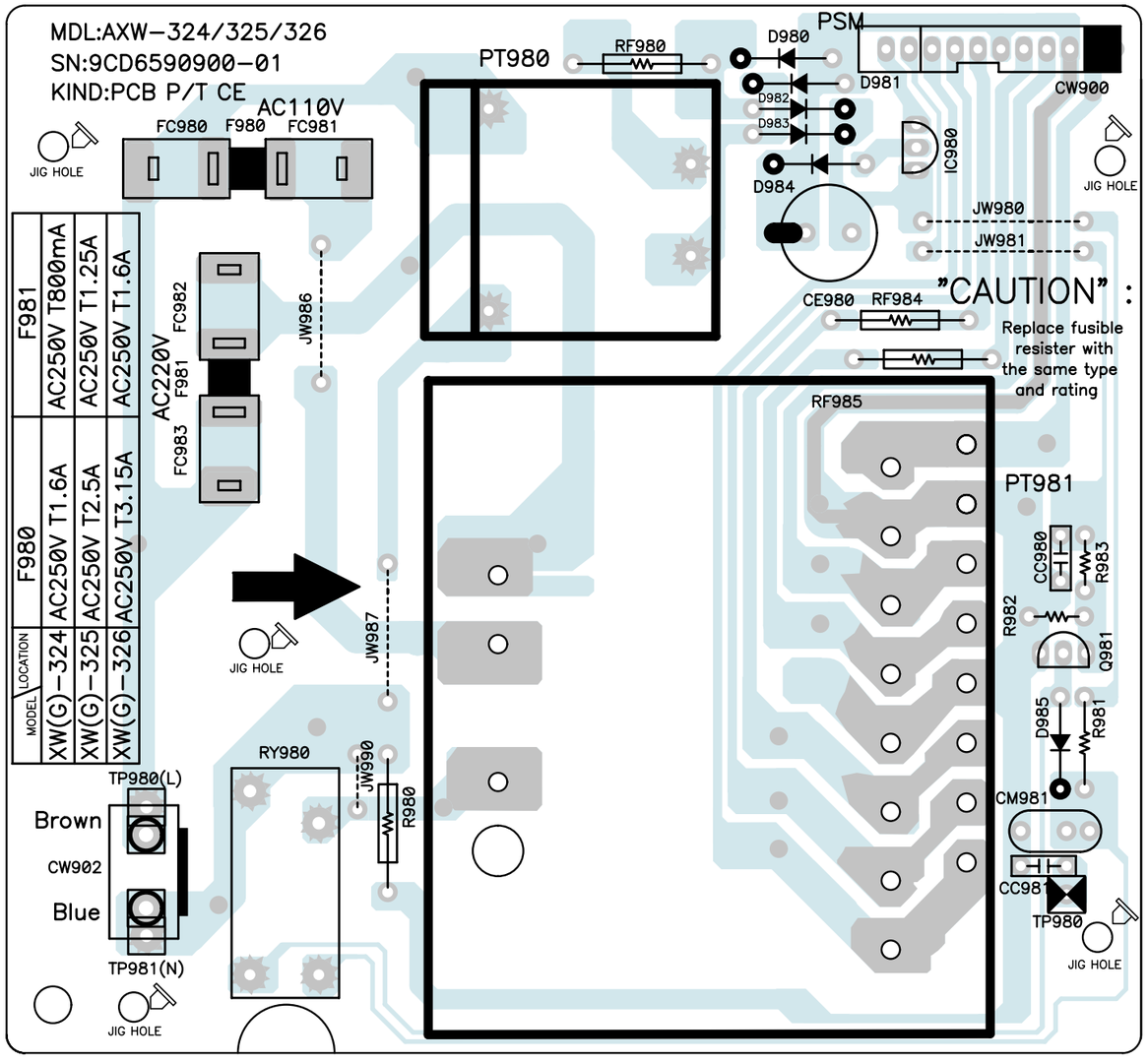


<BOTTOM VIEW>



P.C.B Pattern Layout

● POWER [CE. UL Only]



● POWER [No PSM Only]